

Memorandum

Date : January 16, 2002

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(916) 653-1245

: William J. Keese, Chairman
Michal C. Moore
Robert A. Laurie
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m : California Energy Commission - Steve Larson
1516 Ninth Street Executive Director
Sacramento, CA 95814-5512

ject : **DATA ADEQUACY RECOMMENDATION FOR THE CITY OF VERNON - MALBURG
GENERATING STATION PROJECT - (01-AFC-25)**

The staff has completed its data adequacy review of the Application for Certification (AFC) submitted on December 21, 2001. Staff has determined that the AFC does not contain all the information required by Cal. Code of Regs., tit. 20, § 1704, Appendix B for the 12-month process. Of the 23 technical disciplines reviewed, the information contained in the AFC is deficient in 10 areas.

Additionally, the applicant requested an expedited 6-month process allowed under Public Resources Code §25550 (AB 70, Chapter 329, Statutes of 2000). However, after review of the AFC, staff does not believe it meets the data adequacy requirements of the 6-month process either. Therefore, we also recommend that the Energy Commission find the AFC inadequate for the 6-month process. The information contained in the AFC is deficient in 7 areas. Attachment A contains an overview of staff's review. Attachment B contains staff's detailed data adequacy worksheets that describe staff's findings for each information requirement for both the 6-month and 12-month processes. It should be noted that to qualify for the 6-month process, the project must meet the 12-month criteria in addition to the 6-month criteria.

The South Coast Air Quality Management District has indicated that the application is complete and contains the information necessary to begin its analysis. We have also received verbal communication from the California Department of Fish and Game and the United States Fish and Wildlife Services indicating they have no biological resource concerns as the project is proposed on a developed industrial site.

At the Energy Commission's business meeting on January 23, 2002, I will recommend that the Energy Commission not accept the AFC until all the additional information specified in Attachment B is supplied. Pursuant to Cal. Code of Regs., tit. 20, § 1709 (c), if the Energy Commission accepts my recommendation, the Energy Commission shall indicate, in writing, those parts of the AFC which fail to meet the information requirements and the manner in which it can be made complete.

If you have any questions, please call either Bill Pfanner (916) 654-4206 or James W. Reede, Jr., staff's Project Manager, at (916) 653-1245.

Attachments

cc:

ATTACHMENT A
OVERVIEW OF ENERGY COMMISSION STAFF'S
DATA ADEQUACY DETERMINATION
CITY OF VERNON -MALBURG GENERATING STATION PROJECT

Technical Area	Data Adequacy			
	12-Mo.	Page No.	6-Mo.	Page No.
Air Quality	No	4	No	8
Alternatives	Yes	11	Yes	12
Biological Resources	Yes	13	Yes	17
Cultural Resources	No	19	Yes	22
Efficiency	Yes	23	Yes	25
Facility Design	Yes	26	Yes	29
Geological Hazards	No	30	Yes	32
Hazardous Materials	Yes	33	Yes	35
Land Use	No	37	No	40
Noise	Yes	42	Yes	45
Paleontological Resources	Yes	46	Yes	48
Project Overview	Yes	49	Yes	52
Public Health	Yes	53	Yes	55
Reliability	Yes	57	Yes	59
Socioeconomics	No	60	No	63
Soil Resources	No	65	No	67
Trans Line Safety/Nuisance	Yes	68	Yes	71
Traffic and Transportation	No	72	Yes	75
Transmission System Engineering	No	76	No	80
Visual Resources	No	83	No	86
Waste Management	Yes	87	Yes	89
Water Resources	No	90	No	94
Worker Safety	Yes	96	Yes	98

**ENERGY COMMISSION STAFF'S
List of Data Inadequacies**

**CITY OF VERNON -MALBURG GENERATING STATION PROJECT
01-AFC-25**

JANUARY 15, 2002

Technical Area: **Air Quality**
 Project Manager: Bill Pfanner

Project: Malburg Generating Station
 Docket: 01-AFC-25

Technical Staff: Joseph M. Loyer
 Technical Senior: Matthew Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.1 pg 8.1-1 to 76 Appendix H CD	No	An adequate description of the offsets to be provided was not submitted. Please provide a description of the specific ERCs, RTCs or other offsets to be provided to mitigate the potential project impacts.
Appendix B (8) (A)	The information necessary for the air pollution control district where the project is located to complete a Determination of Compliance.	Completeness letter from district dated 1-11-02	Yes	
Appendix B (8) (B)	The heating value and chemical characteristics of the proposed fuels, the stack height and diameter, the exhaust velocity and temperature, the heat rate and the expected capacity factor of the proposed facility.	Section 3.4.4 pg 3-3 to 17 Section 3.7 pg 3-40 Appendix H	Yes	
Appendix B (8) (C)	A description of the control technologies proposed to limit the emission of criteria pollutants.	Section 8.1.5.4 pg 8.1-38,39	Yes	
Appendix B (8) (D)	A description of the cooling system, the estimated cooling tower drift rate, the rate of water flow through the cooling tower, and the maximum concentrations of total dissolved solids.	Section 3.4.4.4 pg 3-7,8 Section 3.4.7 pg 3-14 to 17 Appendix H	Yes	
Appendix B (8) (E)	The emission rates of criteria pollutants from the stack, cooling towers, fuels and materials handling processes, delivery and storage systems, and from all secondary emission sources.	Section 8.1.2.3.2 p 8.1-13 Table 8.1-18 to 21 Pg 8.1-49 to 50 Appendix H	Yes	
Appendix B (8) (F)	A description of typical operational modes, and start-up and shutdown modes for the proposed project, including the estimated frequency of occurrence and duration of each mode, and estimated emission rate for each criteria pollutant during each mode.	Section 8.1.2.3 pg 8.1-12 to 14 Table 8.1-18 to 21 Pg 8.1-49, 50 Appendix H	Yes	

Technical Area: **Air Quality**
 Project Manager: Bill Pfanner

Project: Malburg Generating Station
 Docket: 01-AFC-25

Technical Staff: Joseph M. Loyer
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (8) (G)	The ambient concentrations of all criteria pollutants for the previous three years as measured at the three Air Resources Board certified monitoring stations located closest to the project site, and an analysis of whether this data is representative of conditions at the project site. The applicant may substitute an explanation as to why information from one, two, or all stations is either not available or unnecessary.	Section 8.1.1.2 to .3 Pg 8.1-3 to 7 Table 8.1-2 to 8 Pg 8.1-45 to 47	Yes	
Appendix B j) (8) (H)	One year of meteorological data collected from either the Federal Aviation Administration Class 1 station nearest to the project or from the project site, or meteorological data approved by the California Air Resources Board or the local air pollution control district.	Section 8.1.1.1.1 Pg 8.1-2, 3 Fig 8.1-5 to 12 Pg 8.1-67 to 74 Appendix H	Yes	
Appendix B j) (8) (H) (i)	If the data is collected from the project site, the applicant shall demonstrate compliance with the requirements of the U.S. Environmental Protection Agency document entitled "On-Site Meteorological Program Guidance for Regulatory Modeling Applications" (EPA - 450/4-87-013 (August 1995), which is incorporated by reference in its entirety.)	NA	NA	
Appendix B j) (8) (H) (ii)	The data shall include quarterly wind tables and wind roses, ambient temperatures, relative humidity, stability and mixing heights, upper atmospheric air data, and an analysis of whether this data is representative of conditions at the project site.	Fig 8.1-5 to 12 Pg 8.1-67 to 74 Appendix H	Yes	
Appendix B j) (8) (I)	An evaluation of the project's direct and cumulative air quality impacts, consisting of the following:			

Technical Area: **Air Quality**
 Project Manager: Bill Pfanner

Project: Malburg Generating Station
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Technical Staff: Joseph M. Loyer
 Technical Senior: Matthew Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (8) (I) (i)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert pollutant impacts of project construction activities on ambient air quality conditions, including fugitive dust (PM ₁₀) emissions from grading, excavation and site disturbance, as well as the combustion emissions [nitrogen oxides (NO _x), sulfur dioxide (SO ₂), carbon monoxide (CO), and particulate matter less than 10 microns in diameter (PM ₁₀)] from construction-related equipment;	Section 8.1.2.1 Pg 8.1-8 to 12 Table 8.1-24 p 8.1-51 Appendix H CD	Yes	
Appendix B (8) (I) (ii)	A screening level air quality modeling analysis, or a more detailed modeling analysis if so desired by the applicant, of the direct inert criteria pollutant (NO _x , SO ₂ , CO and PM ₁₀) impacts on ambient air quality conditions of the project during typical (normal) operation, and during shutdown and startup modes of operation. Identify and include in the modeling of each operating mode the estimated maximum emissions rates and the assumed meteorological conditions; and	Section 8.1.2.3 Pg 8.1-12 to 18 Table 8.1-25 to 76 Pg 8.1-51, 52	Yes	
Appendix B (8) (I) (iii)	A protocol for a cumulative air quality modeling impacts analysis of the project's typical operating mode in combination with other stationary emissions sources within a six mile radius which have received construction permits but are not yet operational, or are in the permitting process. The cumulative inert pollutant impact analysis should assess whether estimated emissions concentrations will cause or contribute to a violation of any ambient air quality standard.	Appendix H Pg H-16 to 19	Yes	
Appendix B (8) (J)	If an emission offset strategy is proposed to mitigate the project's impacts under subsection (g)(1), provide the following information:			
Appendix B (8) (J) (i)	The quantity of offsets needed;	Table 8.1-27 pg 8.1-52	Yes	

Technical Area: **Air Quality**
 Project Manager: Bill Pfanner

Project: Malburg Generating Station
 Docket: 01-AFC-25

Technical Staff: Joseph M. Loyer
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (8) (J) (ii)	Potential offset sources, including location, and quantity of emission reductions; and	Section 8.1.4.3 pg 8.1-24	NO	Please provide a description of the specific ERCs, RTCs or other offsets to be provided to mitigate the potential project impacts.
Appendix B j) (8) (J) (iii)	Method of emission reduction.	Section 8.1.4 p 8.1-23 to 24 Section 8.1.5.4 p 8.1-38, 39	Yes	
Appendix B j) (8) (K)	A topographic map containing contour and elevation data, at a scale of 1:24,000, showing the area within 6 miles of the power plant site.	Fig 8.1-2	Yes	
Appendix B i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.1-28 Pg 8.1-53 to 55	Yes	
Appendix B i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.1-28 p 8.1-53 to 55 Table 8.1-36 p 8.1-58 to 61	Yes	
Appendix B i) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.1.5 p 8.1-24 to 43	Yes	
Appendix B i) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.1-35 to 57	Yes	
Appendix B i) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.1.7 p 8.1-43 Table 8.1-36 p 8.1-58 to 61	Yes	

adequacy Issue:

Adequate

Inadequate

X

DATA ADEQUACY WORKSHEET

Revision No. 00

Date January 9, 2002

Technical Area:

Air Quality

Project:

(Six Month Expedited Process)

Technical Staff:

Joseph M. Loyer

Project Manager:

Bill Pfanner

Docket:

01-AFC-25

Technical Senior:

Matthew Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (11)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) (11)	A list of such standards, ordinances, and laws;	Table 8.1-28 p 8.1-53 to 55. See Air Quality Management District letter dated 1/11/02.	Yes	
2022(b)(1)(B) (11)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.1.5 p 8.1-24 to 43	Yes	
2022(b)(1)(D) (11)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	LORS Section Pg L-1 to 27	Yes	
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequate Inadequate **X**

(Six Month Expedited Process)

Revision No. 00 Date January 9, 2002

Technical Area: **Air Quality** Project: Malburg Generation Station Technical Staff: Joseph M. Loyer
 Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Matthew Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(2)(A) Air Quality)	a detailed modeling analysis assessing whether the cumulative impacts of all inert criteria pollutants (NOx, SO2, CO, and PM10) from the project's typical operating mode in combination with all stationary emissions sources within a six-mile radius of the proposed site that have received construction permits, but are not yet operational, and all stationary emissions sources that are currently undergoing air district permit application review will cause or contribute to a violation of any ambient air quality standard;	Section 8.1.2.3 to 8.1.2-5 Pg 8.1-12 to 18 Appendix H	No	<p>Please provide the results of the cumulative assessment as proposed, with the following modifications.</p> <p>Please identify all new or modified emission sources located within 6-miles of the project site regardless of the size of their net emission increases (ie. no cut off at 10 lbs/day).</p> <p>Please provide the list of emission sources within 6-miles of the project site to the Project Manager for approval prior to proceeding with the cumulative modeling assessment.</p> <p>Please perform the modeling assessment reporting the highest and highest-second-highest emission impact results (value and location).</p> <p>Please extend the receptor grid (180 meter spacing) to cover the entire 6-mile radius area around the project site (ie. not just the area where the PSD is exceeded by the project).</p> <p>Please provide modeling for short-term and long term ambient air quality standards.</p> <p>In addition to the support information identified on page H-18, please provide the input and meteorological data files used for the cumulative modeling assessment.</p>
2022(b)(2)(B) Air Quality)	A description of the project's planned initial commissioning phase, which is the phase between the first firing of emissions sources and the consistent production of electricity for sale to the market, including the types and durations of equipment tests, criteria pollutant emissions, and monitoring techniques to be used during such tests, and air dispersion modeling analyses of the impacts of those emissions on state and federal ambient air quality standards for NO2, SO2, CO, and PM10;	Appendix H	Yes	

	Adequate	Inadequate	X	----- ADEQUATE -----	Revision No.	00	Date	January 9, 2002
				(Six Month Expedited Process)				
Technical Area:	Air Quality			Project:	Malburg Generation Station		Technical Staff:	Joseph M. Loyer
Project Manager:	Bill Pfanner			Docket:	01-AFC-25		Technical Senior:	Matthew Layton

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(2)(C) (Air Quality)	A detailed description of the mitigation, which an applicant shall propose, for all impacts from criteria pollutants that currently exceed state or federal ambient air quality standards, but are not subject to offset requirements under the district's new source review rule;	Section 8.1.4.3 p 8.1-24	No	Please provide a description of the specific ERCs, RTCs or other offsets to be provided for the potential project impacts.

adequacy Issue: Adequate ☒ Inadequate ☐
 echnical Area: Alternatives
 roject Manager: _____

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 27, 200
 Technical Staff: Bill Pfanner
 Technical Senior: Paul C. Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
ppendix B) (1) (D)	A description of how the site and related facilities were selected and the consideration given to engineering constraints, site geology, environmental impacts, water, waste and fuel constraints, electric transmission constraints, and any other factors considered by the applicant.	Chapter 9.0, p 9-1	Yes	
ppendix B) (1)	A discussion of the range of reasonable alternatives to the project, or to the location of the project, including the no project alternative, which would feasibly attain most of the basic objectives of the project but would avoid or substantially lessen any of the significant effects of the project, and an evaluation of the comparative merits of the alternatives. In accordance with Public Resources Code section 25540.6(b), a discussion of the applicant's site selection criteria, any alternative sites considered for the project, and the reasons why the applicant chose the proposed site.	Chapter 9.0 Chapter 1.0, Section 1.3, p.1-4	Yes	
ppendix B) (2)	An evaluation of the comparative engineering, economic, and environmental merits of the alternatives discussed in subsection (f)(1).	Chapter 9.0 Sections 9.4.2, 9.4.3 and 9.4.4	Yes	

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date 12/27/01

Technical Area:

Alternatives

Project:

(Six Month Expedited Process)

City of Vernon - Malburg Generating Station

Technical Staff:

Bill Pfanner

Project Manager:

James Reede

Docket:

01-AFC-25

Technical Senior:

Paul C. Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) vii)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) vii)	A list of such standards, ordinances, and laws;	Chapter 9.0	Yes	
2022(b)(1)(C) vii)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Chapter 9.0	Yes	
2022(b)(1)(D) vii)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	NA	NA	
2022(b)(1)(E) vii)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	NA	NA	

adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date January 2, 2002

Technical Area: **Biological Resources**

Project: Malburg Generating Station

Technical Staff: Julie Colyer and Natasha Nelson

Project Manager: James Reede and Bill Pfanner

Docket: 01-AFC-25

Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Existing site conditions: Section 8.2.1.2, pp. 8.2-2 to -4; and, Table 8.2-1, p. 8.2-7 Impacts: Section 1.10.2, p. 1-8; and, Section 8.2, pp. 8.2-4 and -5 Mitigation & Monitoring: Section 8.2.5, p. 8.2-5	YES YES YES	
Appendix B (13) (A)	A regional overview and discussion of biological resources, with particular attention to sensitive biological resources near the project and a map at a scale of 1:100,000 (or some other suitable scale) showing their location in relation to the project.	Regional biological overview: Section 8.2.1.1, pp. 8.2-1 and -2; and, Figure 8.2-1, p. 8.2-11 1:100,000 scale map & sensitive species Figure 8.2-1, p. 8.2-11	YES YES	

Technical Area:	Biological Resources	Project:	Malburg Generating Station	Technical Staff:	Julie Colyer and Natasha Nelson
Project Manager:	James Reede and Bill Pfanner	Docket:	01-AFC-25	Technical Senior:	Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (13) (B)	A discussion and detailed maps at a scale of 1:6,000, of the biological resources at the site of the proposed project and related facilities, and in areas adjacent to them, out to a mile from the site and 1,000 feet from the outer edge of linear facility corridors. Include a list of the species actually observed and those with a potential to occur. The discussion and maps shall address the distribution of community types, den or nesting sites, population concentrations, migration corridors, breeding habitats, and the presence of sensitive biological resources.	1:6,000 scale maps and discussion: Figure 8.2-2, p. 8.2-12 Maps of project region out to one mile: Figure 8.2-1, p. 8.2-11; and, Figure 8.14-2, p. 8.14-24 List of species seen during field surveys: Table 8.2-1, p. 8.2-7 List of species with a potential to occur: Section 8.2.1, pp. 8.2-2 to -4	YES YES YES YES	
Appendix B (13) (C)	A description of all studies and surveys used to provide biological information about the project site, including seasonal surveys and copies of the California Department of Fish and Game's Natural Diversity Data Base Survey Forms, "California Native Species Field Survey Forms", and "California Natural Community Field Survey Forms", completed by the applicant. Include the dates and duration of the studies, methods used to complete the studies, and the names and qualifications of individuals conducting the studies.	Studies and surveys: Section 8.2.1.2, p. 8.2-2 Names and qualifications of those completing biological resource studies: Appendix I	YES YES	

Technical Area:	Biological Resources	Project:	Malburg Generating Station	Technical Staff:	Julie Colyer and Natasha Nelson
Project Manager:	James Reede and Bill Pfanner	Docket:	01-AFC-25	Technical Senior:	Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (13) (D)	A discussion of all permanent and temporary impacts to biological resources from site preparation, construction activities, and plant operation. Discussion of impacts must consider impacts from cooling tower drift, and from the use and discharge of water during construction and operation. For facilities which use once-through cooling or take or discharge water directly from or to natural sources, discuss impacts resulting from entrainment, impingement, thermal discharge, effluent chemicals, type of pump (if applicable), temperature, volume and rate of flow at intake and discharge location, and plume configuration in receiving water.	Impacts: Section 1.10.2, p. 1-8; and, Section 8.2, pp. 8.2-4 and -5 Stack emissions and cooling tower drift: Section 8.1.2.5.5, pp. 8.1-20 to -22; and, Section 8.2.2, pp. 8.2-4 and -5 Use and discharge of water: Section 3.4.7.2, p. 3-15; Section 3.4.8.1, p. 3-18; and, Section 8.2.2.2, p. 8.2-5 Once-through cooling: Not applicable	YES YES YES Not applicable	
Appendix B j) (13) (E)	A discussion of the following:	--	--	--
Appendix B j) (13) (E) (i)	All measures proposed to avoid and/or reduce any adverse impacts;	Avoidance measures: Section 8.2.5, p. 8.2-5	YES	
Appendix B j) (13) (E) (ii)	All measures proposed to mitigate any adverse impacts, including any proposals for off-site mitigation; and	Mitigation measures: Section 8.2.5, p. 8.2-5	YES	
Appendix B j) (13) (E) (iii)	Any educational programs proposed to enhance employee awareness in order to protect biological resources.	Educational programs: Section 8.2.5, p. 8.2-5	YES	
Appendix B j) (13) (F)	A discussion of compliance and monitoring programs proposed to ensure the effectiveness of mitigation measures incorporated into the project.	Compliance monitoring: Section 8.2.5, p. 8.2-5	YES	
Appendix B j) (13) (G)	A discussion of native fish and wildlife species of commercial and/or recreational value that could be impacted by the project.	Commercial & recreational species: Section 8.2.2.2, p. 8.2-5	YES	

Technical Area:	Biological Resources	Project:	Malburg Generating Station	Technical Staff:	Julie Colyer and Natasha Nelson
Project Manager:	James Reede and Bill Pfanner	Docket:	01-AFC-25	Technical Senior:	Jim Brownell

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Appendix B (13) (H)	For purposes of this section, sensitive biological resources are one of the following:	--	--	--
Appendix B (13) (H) (i)	Species listed under state or federal Endangered Species Acts;	Listed species: Section 8.2.1.3, p. 8.2-3	YES	
Appendix B (13) (H) (ii)	Resources defined in sections 1702 (q) and (v) of Title 20 of the California Code of Regulations;	Resources defined: Section 8.2.1.3, p. 8.2-3	YES	
Appendix B (13) (H) (iii)	Species or habitats identified by legislative acts as requiring protection.	Listed species/habitats: Section 8.2.1.3, pp. 8.2-3 and -4	YES	
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	LORS table: Table 8.2-2, p. 8.2-8	YES	
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Agency jurisdiction/permit table: Table 8.2-3, p. 8.2-9	YES	
Appendix B (1) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Discussion of conformity with LORS: Table 8.2-2, p. 8.2-8	YES	
Appendix B (1) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Agency contacts: Table 8.2-3, p. 8.2-9	YES	
Appendix B (1) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Permit schedule: Section 8.2.8, p. 8.2-5	YES	

adequacy Issue: Adequate **X** Inadequate **DATA ADEQUACY WORKSHEET** Revision No. 00 Date January 2, 2002
 echnical Area: **Biological Resources** (Six Month Expedited Process) Project: Malburg Generating Station Technical Staff: Julie Colyer and Natasha Nelson
 roject Manager: James Reede and Bill Pfanner Docket: 01-AFC-25 Technical Senior: Jim Brownell

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) (II)	A list of such standards, ordinances, and laws;	LORS summary: pp. I-12 and -13; and, Table 8.2-2, p. 8.2-8	YES	
2022(b)(1)(C) (II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	LORS summary: pp. I-12 and -13; and, Table 8.2-2, p. 8.2-8	YES	
2022(b)(1)(D) (II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Not applicable	Not applicable	
2022(b)(2) (II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 8.2.8, p. 8.2-5	YES	
2022(b)(2) (II)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 1/9/02

Technical Area: **Cultural Resources** Project: Vernon Technical Staff: Dorothy Torres

Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Vol I, p. 8.3-3 AFC Vol 1, p. 8.3-11 AFC Vol I, p. 8.3-12	Yes	
Appendix B (2) (A)	A brief summary of the ethnology, prehistory, and history of the region in which the project site and related facilities are located and maps at a scale of 1:24,000, indicating areas of ethnographic occupation. The region may vary depending on the extent of the territory occupied or used by prehistoric cultures indigenous to the area in which the project is located.	AFC Vol 1, p. 8.3-4 to 8.3-7 AFC Vol I, Fig 8.3-1	Yes	
Appendix B (2) (B)	A description of all literature searches and field surveys used to provide information about known cultural resources in the project vicinity. If survey records of the area potentially physically affected by the project are not available, and the area has the potential for containing significant cultural resources, the applicant shall submit a new or revised survey for any portion of the area lacking comprehensive survey data. A discussion of the dates of the surveys, methods used in completing the surveys, and the identification and qualification of the individuals conducting the surveys shall be included.	AFC Vol I, p. 8.3-8 AFC Vol I, p. 8.3-9 to 8.3-10	No	Identify and provide resumes for the individual who conducted the survey referenced on p. 8.3-6. Also identify the person who wrote "City of Vernon California Power Plant Report of Survey Conducted August 24, 2001," in Appendix J and provide a resume for that person. Provide resumes for Juliet Christy who surveyed the reclaimed water line and Michael P. Pumphrey who evaluated the existing power plant.

Technical Area:
Project Manager:

Cultural Resources
Bill Pfanner

Project:
Docket:

Vernon
01-AFC-25

Technical Staff:
Technical Senior:

Dorothy Torres
Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (2) (C)	A discussion of the sensitivity of the project area described in subsection (g)(2)(A) and the presence and significance of any known archeological sites and other cultural resources that may be affected by the project. Information on the specific location of archeological resources shall be included in a separate appendix to the application and submitted to the Commission under a request for confidentiality pursuant to Title 20, California Code of Regulations, § 2501 et seq.	AFC Vol I, p. 8.3-4 AFC Vol I, p. 8.3-7 to 8.3-9	Yes	
Appendix B (2) (D)	A summary of contacts and communications with, and responses from, Native American representatives who may have an interest in heritage lands and/or resources potentially affected by the proposed project.	Vol III, Appendix J-3	No	Please provide a summary of contacts and communications with, and responses from Native Americans that had not been completed at the time the AFC was submitted (Copies are acceptable).
Appendix B (2) (E)	In the discussion on mitigation and monitoring prepared pursuant to subsection (g)(1), a discussion of any educational programs proposed to enhance awareness of potential impacts to archeological resources by employees and contractors, measures proposed for mitigation of impacts to known cultural resources, and a set of contingency measures for mitigation of potential impacts to previously unknown cultural resources.	AFC Vol I, p. 8.3-13 AFC Vol I, p. 8.3-12 AFC Vol I, p. 8.3-13	Yes	
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Vol I, p. 8.3-20 to 8.3-21 AFC Vol I, p. 8.3-17 to 18 AFC Vol I, p. 8.3-20 to 21	Yes	

Technical Area:
Project Manager:

Cultural Resources
Bill Pfanner

Project:
Docket:

Vernon
01-AFC-25

Technical Staff:
Technical Senior:

Dorothy Torres
Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Vol I, P. 8.3-22 AFC Vol I, p. p-1	Yes	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Vol I, p. 14-17	Yes	
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Vol I, p. 22	Yes	
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Vol I, p. p-1	Yes	

adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. 00 Date 1/9/02
 echnical Area: **Cultural Resources** Project: Vernon (Six Month Expedited Process) Technical Staff: Dorothy Torres
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (11)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) (11)	A list of such standards, ordinances, and laws;	AFC Vol I, p.8.3-21 to 8.3-21	Yes	.
2022(b)(1)(B) (11)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC Vol 1, p.8.3-14 to 8.3-17	Yes	
2022(b)(1)(C) (11)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A		
2022(b)(1)(D) (11)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC Vol I, p. 8.3-22 AFC Vol I, p. p-1	Yes	

adequacy Issue: Adequate ☒ Inadequate ☐
 echnical Area: Efficiency
 roject Manager: Bill Pfanner

DATA ADEQUACY WORKSHEET

Revision No. 0 Date January 7, 2002
 Technical Staff: Kevin Robinson
 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
ppendix B) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§ 1.1, 1.2, 1.4, 1.11, 3.3, 3.4.4.1, 3.4.4.3, 3.4.6, 3.7, 3.8.3.1, 3.8.3.6, 9.4.2-9.4.5, Tables 3.4-2, 3.4-3, 3.4-4, 3.4-5, 3.4-6 Appendices B, 2, 3	Yes	
ppendix B) (4) (A)	Heat and mass balance diagrams for design conditions for each mode of operation.	Tables 3.4-2, 3.4-3, 3.4-4, 3.4-5, 3.4-6	Yes	
ppendix B) (4) (B)	Annual fuel consumption in BTUs for each mode of operation.	§§ 3.4.6, 3.8.3.6 Tables 3.4-2, 3.4-3, 3.4-4, 3.4-5, 3.4-6	Yes	
ppendix B) (4) (C)	Annual net electrical energy produced in MWh for each mode of operation.	§ 1.1 Tables 3.4-2, 3.4-3, 3.4-4, 3.4-5, 3.4-6	Yes	
ppendix B) (4) (D)	Number of hours the plant will be operated in each mode of operation in each year.	§§ 1.4, 3.4.3, 3.7 Appendix 2	Yes	
ppendix B) (4) (E)	If the project will be a cogeneration facility, calculations showing compliance with applicable efficiency and operating standards.	N/A	N/A	
ppendix B) (4) (F)	A discussion of alternative generating technologies available for the project, including the projected efficiency of each, and an explanation why the chosen equipment was selected over these alternatives.	§§ 1.11, 9.4.2-9.4.5	Yes	
ppendix B) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	N/A	N/A	

Technical Area:	<u>Efficiency</u>	Project:	<u>Malburg Generating Station</u>	Technical Staff:	<u>Kevin Robinson</u>
Project Manager:	<u>Bill Pfanner</u>	Docket:	<u>01-AFC-25</u>	Technical Senior:	<u>Steve Baker</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 00 Date January 7, 2002

Technical Area:

Efficiency

Project:

Malburg Generating Station

Technical Staff:

Kevin Robinson

Project Manager:

Bill Pfanner

Docket:

01-AFC-25

Technical Senior:

Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (11)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) (11)	A list of such standards, ordinances, and laws;	N/A	N/A	
2022(b)(1)(C) (11)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	N/A	N/A	
2022(b)(1)(D) (11)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A	N/A	
2022(b)(2) (11)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

adequacy Issue: Adequate **X** Inadequate _____ **DATA ADEQUACY WORKSHEET** Revision No. 0 Date January 02, 2002
 Technical Area: **Facility Design** Project: Malburg Generating Station Technical Staff: Shahab Khoshmashrab
 Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B g) (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	See Water Resources		
Appendix B g) (14) (D) (i)	Precipitation and storm runoff patterns; and	See Water Resources		
Appendix B g) (14) (D) (ii)	Drainage facilities and design criteria.	See Water Resources		
Appendix B g) (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	See Water Resources		
Appendix B g) (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	See Water Resources		
Appendix B g) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 3.9-1 Appendices B2 through B6 §§ 3.9, 8.15.6 Page 1-8 (LORS Summary)	Yes	
Appendix B g) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 3.9-1 Page 1-8	Yes	
Appendix B g) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 3.9-1 Appendices B2 through B6 Page 1-8	Yes	
Appendix B g) (3)	The name, title, telephones number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Tables 3.10-1, 8.15-3	Yes	

Technical Area: Facility Design Project: Malburg Generating Station Technical Staff: Shahab Khoshmashrab
 Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	§ 8.15.8	Yes	
Appendix B (1) (A)	A description of the site conditions and investigations or studies conducted to determine the site conditions used as the basis for developing design criteria. The descriptions shall include, but not be limited to, seismic and other geologic hazards, adverse conditions that could affect the project's foundation, adverse meteorological and climatic conditions, and flooding hazards, if applicable.	§§ 1.10.15, 3.8.1.1, 8.14.1, 8.15.1 through 8.15.4 Appendix C	Yes	
Appendix B (1) (B)	A discussion of any measures proposed to improve adverse site conditions.	§§ 1.10.15, 3.5.8, 3.5.9, 8.15.5, Appendix C	Yes	
Appendix B (1) (C)	A description of the proposed foundation types, design criteria (including derivation), analytical techniques, assumptions, loading conditions, and loading combinations to be used in the design of facility structures and major mechanical and electrical equipment.	§§ 3.5.1, 3.5.3, 3.5.4, 3.5.5, 3.5.10 Appendices B2, C	Yes	
Appendix B (1) (D)	For each of the following facilities and/or systems, provide a description including drawings, dimensions, surface-area requirements, typical operating data, and performance and design criteria for protection from impacts due to adverse site conditions:	Figures 3.4-1 through 3.4-7 Appendix B	Yes	
Appendix B (1) (D) (i)	The power generation system;	§§ 1.1, 1.2, 3.1, 3.4.3, 3.4.4	Yes	
Appendix B (1) (D) (ii)	The heat dissipation system;	§§ 3.1, 3.4.3, 3.4.4.4	Yes	
Appendix B (1) (D) (iii)	The cooling water supply system, and, where applicable, pre-plant treatment procedures;	§§ 1.1, 1.2, 1.7, 1.10.14, 3.1, 3.4.7, 3.8.3.7, 7.0, 8.14	Yes	
Appendix B (1) (D) (iv)	The atmospheric emission control system;	§§ 1.2, 1.10.1, 3.4.3, 3.4.4.1, 3.4.4.2, 3.4.10, 8.1	Yes	
Appendix B (1) (D) (v)	The waste disposal system and on-site disposal sites;	§§ 1.10.13, 1.10.14, 3.1, 3.4.8, 3.5.7, 8.13	Yes	

Technical Area: Facility Design Project: Malburg Generating Station Technical Staff: Shahab Khoshmashrab
 Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (D) (vii)	The geothermal resource conveyance and re-injection lines (if applicable);	N/A	N/A	
Appendix B (1) (D) (viii)	Switchyards/transformer systems; and	§§ 1.1, 1.2, 1.9, 3.1, 3.4.5, 5.0	Yes	
Appendix B (1) (D) (ix)	Other significant facilities, structures, or system components proposed by the applicant.	N/A	N/A	

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 0

Date January 02, 2002

Technical Area:

Facility Design

Project:

Malburg Generating Station

Technical Staff:

Shahab Khoshmashrab

Project Manager:

Bill Pfanner

Docket:

01-AFC-25

Technical Senior:

Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) a))	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) a))	A list of such standards, ordinances, and laws;	§§ 3.9, 8.15.6 Table 3.9-1 Appendices B2 Through B6 Page 1-8	Yes	
2022(b)(1)(C) a))	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Table 3.9-1 Appendices B2 Through B6 Page 1-8	Yes	
2022(b)(1)(D) a))	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	None (no known changes in Facility Design LORS are anticipated).	Yes	
2022(b)(1)(E) a))	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table 3.9-1 Page 1-8	Yes	

adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 1/16/2002
 Technical Area: **Geological Hazards** Project: Malburg Generating Station Technical Staff: Dal Hunter
 Project Manager: James Reede Docket: 01-AFC-25 Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.15.1, pages 8.15-1 through 8.15-5; Sections 8.15.2 through 8.15.4, pages 8.15-5 and 8.15-6; Section 8.15.5, page 8.15-6	Yes	
Appendix B (17) (A)	A summary of the geology, seismicity, and geologic resources of the project site and related facilities;	Section 8.15.1 Pages 8.15-1 through 8.15-3	Yes	
Appendix B (17) (B)	A map at a scale of 1:24,000 and description of all recognized stratigraphic units, geologic structures, and geomorphic features within 2 miles of the project site. Include an analysis of the likelihood of ground rupture, seismic shaking, mass wasting and slope stability, liquefaction, subsidence, and expansion or collapse of soil structures.	Section 8.15.1, pages 8.15-1 through 8.15-2; Section 8.15.1, pages 8.15-1 through 8.15-3	No	Please provide a 1:24,000 scale map showing geology and geomorphic features.
Appendix B (17) (C)	A map and description of geologic resources of recreational, commercial, or scientific value which may be affected by the project. Include a discussion of the techniques used to identify and evaluate these resources.	Section 8.15.1.2, Page 8.15-2	Yes	
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.15-2 Page 8.15-11	Yes	

Technical Area: <u>Geological Hazards</u>	Project: <u>Malburg Generating Station</u>	Technical Staff: <u>Dal Hunter</u>
Project Manager: <u>James Reede</u>	Docket: <u>01-AFC-25</u>	Technical Senior: <u>Lynn Alexander</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.15-3 Page 8.15-2	Yes	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.15.6 Page 8.15-7	Yes	
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.15-3 Page 8.15-12	Yes	

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 00 Date 1/16/2002

Technical Area:

Geological Hazards

Project:

Malburg Generating Station

Technical Staff:

Dal Hunter

Project Manager:

James Reede

Docket:

01-AFC-25

Technical Senior:

Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) (II)	A list of such standards, ordinances, and laws;	Table 8.15-2 Page 8.15-11	Yes	
2022(b)(1)(C) (II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.15.6 Page 8.15-7	Yes	
2022(b)(1)(D) (II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
2022(b)(1)(E) (II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 8.15.8 Page 8.15-7	Yes	

adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 1/10/01

Technical Area: **Hazardous Materials Handling**

Project: Malburg Generating Station

Technical Staff: R. Tyler

Project Manager: B. Pfanner

Docket: 01-AFC-25

Technical Senior: R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.12	Yes	
Appendix B (10) (A)	A list of all materials used or stored on-site which are hazardous or acutely hazardous, as defined in Title 22, California Code of Regulations, § 66261.20 et seq., and a discussion of the toxicity of each material.	Table 8.12-1 and 8.12-2	Yes	
Appendix B (10) (B)	A map at a scale of 1:24,000 depicting the location of schools, hospitals, day-care facilities, emergency response facilities and long-term health care facilities, within the area potentially affected by any release of hazardous materials.	Figure 8.6-1	yes	
Appendix B (10) (C)	A discussion of the storage and handling system for each hazardous material used or stored at the site.	Section 8.12	Yes	
Appendix B (10) (D)	The protocol that will be used in modeling potential consequences of accidental releases that could result in off site impacts. Identify the model(s) to be used, a description of all input assumptions, including meteorological conditions. The results of the modeling analysis can be submitted after the AFC is complete.	Section 8.12.2,2.2	Yes	
Appendix B (10) (E)	A discussion of whether a risk management plan (Health and Safety Code § 25531 et seq.) will be required, and if so, the requirements that will likely be incorporated into the plan.	Section 8.12.2	Yes	
Appendix B (10) (F)	A discussion of measures proposed to reduce the risk of any release of hazardous materials.	Section 8.12.5	Yes	

Technical Area:
Project Manager:

Hazardous Materials Handling
B. Pfanner

Project:
Docket:

Malburg Generating Station
01-AFC-25

Technical Staff:
Technical Senior:

R. Tyler
R. Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (10) (G)	A discussion of the fire and explosion risks associated with the project.	Section 8.12.2.2.3	Yes	
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.12-3	Yes	
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.12-3	Yes	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.12.5	Yes	
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.12.4	Yes	
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	NA	NA	No permits are required

adequacy Issue: Adequate **x** Inadequate _____

DATA ADEQUACY WORKSHEET
(Six Month Expedited Process)

Revision No. 00 Date 1/10/02

Technical Area: **Hazardous Materials** Project: Malburg Generating Station Technical Staff: Rick Tyler

Project Manager: James Reede Docket: 01-AFC-25 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(i)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A)(i)	A list of such standards, ordinances, and laws;	Section 8.12-6 Table 8.12-3	Yes	
2022(b)(1)(B)(i)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.12	Yes	
2022(b)(1)(C)(i)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
2022(b)(1)(D)(i)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	

Adequate ☒ Inadequate ☐

(Six Month Expedited Process)

REVISION NO. 00 Date 11/10/02

Technical Area: **Hazardous Materials** Project: Malburg Generating Station Technical Staff: Rick Tyler

Project Manager: James Reede Docket: 01-AFC-25 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(2)(G) (hazardous material)	With respect to the handling of hazardous materials, a demonstration that: i) the project will not use or store any regulated substance defined in Section 25532(g) of the California Health and Safety Code or ii) the project is eligible for Program 1 status pursuant to Section 68.10 of Part 68 of Title 40 of the Code of Federal Regulations or can demonstrate that no worst case accidental release would result in a plausibility (risk greater than 1 in 1,000,000) of an impact above the Emergency Response Planning Guideline, Level 2 (ERPG 2) at the nearest public receptor.	Section 8.12	Yes	
2022(b)(2)(H) (hazardous material)	If the project will store or use a regulated substance defined in Section 25532(g) of the Health and Safety Code, a demonstration either that the boundary of the powerplant site will not be within 1000 feet of any residential area, school, general acute care hospital, long-term health care facility, or child day care facility as such terms are defined in section 25534.1 of the Health and Safety Code or that the project will pose no plausible potential for exposure at such facilities from an accidental release of the regulated substance; and	Section 8.12	Yes	
2022(b)(2)(I) (hazardous material)	A demonstration that the proposed facility will not require storage of gaseous flammable or explosive materials in quantities greater than 25000 standard cubic feet;	Table 8.12-2	Yes	

adequacy Issue: Adequate _____ Inadequate **X**
 echnical Area: **Land Use**
 roject Manager: _____
 James Reede/Bill Pfanner

DATA ADEQUACY WORKSHEET

Project: Malburg Generating Station
 Docket: 01-AFC-25

Revision No. 0 Date January 7, 2002.
 Technical Staff: Michael Berman
 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
ppendix B g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.4, Pages 8.4-1 to 8.4-6.	Yes.	
ppendix B g) (3) (A)	A discussion of existing land uses and current zoning at the site, land uses and land use patterns within one mile of the proposed site and within one-quarter mile of any project-related linear facilities. Include:	Section 8.4, Pages 8.4-2 to 8.4-4.	Yes.	
ppendix B g) (3) (A) (i)	An identification of residential, commercial, industrial, recreational, scenic, agricultural, natural resource protection, natural resource extraction, educational, religious, cultural, and historic areas, and any other area of unique land uses;	Section 8.4, Pages 8.4-3 and 8.4-4.	Yes.	
ppendix B g) (3) (A) (ii)	A discussion of any trends in recent zoning changes and potential future land use development;	Section 8.4, Page 8.4-4.	Yes.	
ppendix B g) (3) (A) (iii)	Identification of all discretionary reviews by public agencies initiated or completed within 18 months prior to filing the application for those changes or developments identified in subsection (g)(3)(A)(ii); and	Section 8.4, Page 8.4-4.	Yes.	
ppendix B g) (3) (A) iv)	Legible maps of the areas identified in subsection (g)(3)(A) potentially affected by the project, on which existing land uses, jurisdictional boundaries, general plan designations, specific plan designations, and zoning have been clearly delineated.	Section 8.4, Pages 8.4-17 to 8.4-29, Figures 8.4-1 to 8.4-13.	No.	The boundaries for the different jurisdictions (cities and county) and boundaries between general plan land use designations and zones must be clearly delineated.

Technical Area:
Project Manager:

Land Use

James Reede/Bill Pfanner

Project:

Malburg Generating Station

Docket:

01-AFC-25

Technical Staff:

Michael Berman

Technical Senior:

Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (3) (B)	A discussion of the compatibility of the proposed facilities with present and expected land uses, and conformity with any long-range land use plans adopted by any federal, state, regional, or local planning agency. The discussion shall identify the need, if any, for variances or any measures that would be necessary to make the proposal conform with permitted land uses	Section 8.4, Pages 8.4-5 and 8.4-6.	Yes.	
Appendix B j) (15) (B)	A map at a scale of 1:24,000 and written description of agricultural land uses found within all areas affected by the proposed project. The description shall include:	Section 8.9, Page 8.9-1.	Yes.	
Appendix B j) (15) (B) (i)	Crop types, irrigation systems, and any special cultivation practices; and	Section 8.9, Page 8.9-1.	Yes.	
Appendix B j) (15) (B) (ii)	Whether farmland affected by the project is prime, of statewide importance, or unique as defined by the Natural Resource Conservation Service of the California Department of Conservation.	Section 8.9, Pages 8.9-1.	Yes.	
Appendix B j) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This decision shall include:	Section 8.9, Pages 8.9-3 and 8.9-4.	Yes.	
Appendix B j) (15) (C) (ii)	Direct and indirect effects on agricultural land uses; and	Section 8.9, Pages 8.9-3 and 8.9-4.	Yes.	
Appendix B i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 8.4, Pages 8.4-through 8.14, Table 8.4-4.	No.	Section 8.4.6.3 states that various general plan policies and zoning ordinance sections (i.e. local land use LORS) are applicable to the project.. However, there is no <u>discussion</u> of how these LORS are applicable to the project, and how the project <u>conforms</u> with them. Staff can not currently determine whether the project conforms with local LORS such as off street parking and setback requirements that are noted on AFC p.8.4.9. Please provide a discussion of local LORS applicability and project conformance.

Technical Area: <u>Land Use</u> Project Manager: <u>James Reede/Bill Pfanner</u>	Project: <u>Malburg Generating Station</u> Docket: <u>01-AFC-25</u>	Technical Staff: <u>Michael Berman</u> Technical Senior: <u>Eileen Allen</u>
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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.4, Pages 8.4-14 and 8.4-15, Tables 8.4-4 to 8.4-6.	Yes.	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.4, Pages 8.4-6 to 8.4-9.	Yes.	
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.4, Page 8.4-14, Table 8.4-5.	Yes.	
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.4, Page 8.4-15, Table 8.4-6.	Yes.	

adequacy Issue: Adequate Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 Date January 7, 2002.
 echnical Area: **Land Use** Project: Malburg Generating Station Technical Staff: Michael Berman
 roject Manager: James Reede/Bill Pfanner Docket: 01-AFC-25 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) 2022(b)(1)(A)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) 2022(b)(1)(A)	A list of such standards, ordinances, and laws;	Section 8.4, Page 8.4-7-8.4 to 9 and Page 8.4-14, Table 8.4-4	No.	Section 8.4.6.3 states that various general plan policies and zoning ordinance sections (i.e. local land use LORS) are applicable to the project.. However, there is no discussion of how these LORS are applicable to the project, and how the project <u>complies</u> with them. Staff can not currently determine whether the project conforms with local LORS such as off street parking and setback requirements that are noted on AFC p.8.4.9. Responding to the requirement of App.B (h)(1)(A) on the 12 month land use data adequacy form will suffice for this item also.
2022(b)(1)(B) 2022(b)(1)(B)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.4, Page 8.4-7-8.4 to 9 and Page 8.4-14, Table 8.4-4	No	Since the zoning requirements are not discussed, staff cannot determine that the project would comply with all LORS. Responding to the requirement of App.B (h)(1)(A) on the 12 month land use data adequacy form will suffice for this item also.
2022(b)(1)(C) 2022(b)(1)(C)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	Section 8.4, Page 8.4-4	No	The AFC indicates (Section 8.4, Page 8.4-4) that Huntington Park is in the process of revising its zoning code but no indication of whether this code revision would be consistent with the proposed project is provided. Please provide a consistency discussion.

Adequate Inadequate



(Six Month Expedited Process)

Revision No. 00 Date January 7, 2002.

Technical Area: **Land Use** Project: **Malburg Generating Station** Technical Staff: **Michael Berman**
 Project Manager: **James Reede/Bill Pfanner** Docket: **01-AFC-25** Technical Senior: **Eileen Allen**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(D) and (II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 8.4, Pages 8.4-14 and 8.4-15, Tables 8.4-4 to 8.4-6.	Yes.	
2022(b)(4)(A) Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;	Section 8.8, Pages 8.8-16 to 8.8-23, Table 8.8-7	N/A	See Socioeconomics
2022(b)(4)(B) Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and	Section 8.8, Page 8.9-7, Figure 8.9-1	No.	Please provide one or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control.

adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date 1/3/2002

Technical Area: **Noise**

Project: Malburg Generating Station

Technical Staff: Khosrovani/Brown

Project Manager: Bill Pfanner / James Reede

Docket: 01-AFC-25

Technical Senior: Buntin / Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pages 8.5-1 to 8.5-24 Section 8.5	Yes	
Appendix B (4) (A)	A land use map which identifies residences, hospitals, libraries, schools, places of worship, or other facilities where quiet is an important attribute of the environment within the area impacted by the proposed project. The area impacted by the proposed project is that area where there is a potential increase of 5 dB(A) or more, during either construction or operation, over existing background levels.	Page 8.5-24 Figure 8.5-2	Yes	
Appendix B (4) (B)	A description of the ambient noise levels at those sites identified under subsection (g)(4)(A) which the applicant believes provide a representative characterization of the ambient noise levels in the project vicinity, and a discussion of the general atmospheric conditions, including temperature, humidity, and the presence of wind and rain at the time of the measurements. The existing noise levels shall be determined by taking noise measurements for a minimum of 25 consecutive hours at a minimum of one site. Other sites may be monitored for duration at the applicant's discretion during the same 25-hour period. The results of the noise level measurements shall be reported in L_{eq} (equivalent sound or noise level), L_{dn} (day-night sound or noise level) or CNEL (Community Noise Equivalent Level) in units of dB(A). The L_{10} , L_{50} , and L_{90} values (noise levels exceeded 10 percent, 50 percent, and 90 percent of the time, respectively) shall also be reported.	Pages 8.5-3 to 8.5-4 Section 8.5-13 Page 8.5-14 Table 8.5-1 Appendix K	Yes	
Appendix B (4) (C)	A description of the major noise sources of the project, including the range of noise levels and the tonal and frequency characteristics of the noise emitted.	Pages 8.5-10 to 8.5-11 Section 8.5.2.2 Pages 8.5-18 to 8.5-19 Tables 8.5-6 and 8.5-7	Yes	

Technical Area: Noise	Project: Malburg Generating Station	Technical Staff: Khosrovani/Brown
Project Manager: Bill Pfanner / James Reede	Docket: 01-AFC-25	Technical Senior: Buntin / Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (4) (D)	An estimate of the project noise levels, during both construction and operation, at residences, hospitals, libraries, schools, places of worship or other facilities where quiet is an important attribute of the environment, within the area impacted by the proposed project.	Pages 8.5-4 to 8.5-9 Section 8.5.2	Yes	
Appendix B j) (4) (E)	An estimate of the project noise levels within the project site boundary during both construction and operation and the impact to the workers at the site due to the estimated noise levels.	Page 8.5-7 Section 8.5.2.1 Page 8.5-9 Section 8.5.2.3	Yes	
Appendix B j) (4) (F)	The audible noise from existing switchyards and overhead transmission lines that would be affected by the project and estimates of the future audible noise levels that would result from existing and proposed switchyards and transmission lines. Noise levels shall be calculated at the property boundary for switchyards and at the edge of the rights-of-way for transmission lines.	Pages 8.5-3 to 8.5-4 Section 8.5.1.3	Yes	
Appendix B i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Page 8.5-20 Table 8.5-9	Yes	
Appendix B i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Page 8.5-21 Table 8.5-10	Yes	
Appendix B i) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Pages 8.5-11 to 8.5-12 Section 8.5.5	Yes	

Technical Area: Noise Project: Malburg Generating Station Technical Staff: Khosrovani/Brown
 Project Manager: Bill Pfanner / James Reede Docket: 01-AFC-25 Technical Senior: Buntin / Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Page 8.5-21 Table 8.5-10	Yes	
Appendix B i) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Page 8.5-12 Section 8.5.7	Yes	

adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. 00 Date 1/3/2002
 echnical Area: Noise _____ (Six Month Expedited Process) Project: Malburg Generating Station Technical Staff: Khosrovani/Brown
 roject Manager: Bill Pfanner / James Reede Docket: 01-AFC-25 Technical Senior: Buntin / Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) \II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) \II)	A list of such standards, ordinances, and laws;	Page 8.5-20 Table 8.5-9	Yes	
2022(b)(1)(C) \II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Page 8.5-11 to 8.5-12 Section 8.5.5	Yes	
2022(b)(1)(D) \II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	No changes planned.	Yes	
2022(b)(2) \II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Page 8.5-12 Section 8.5.7	Yes	
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

adequacy Issue: Adequate ☒ Inadequate ☐
 Technical Area: Paleontological Resources
 Project Manager: James Reede

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 1/16/2002
 Technical Staff: Dal Hunter
 Technical Senior: Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.16.1, pages 8.16-1 through 8.16-2 Section 8.16.2, pages 8.16-4 through 8.16-8 Section 8.16.4, page 8.16-8 Section 8.16.5, pages 8.16-8 through 8.16-12	Yes	
Appendix B (16) (A)	Identification of the physiographic province and a brief summary of the geologic setting, formations, and stratigraphy of the project area. The area may vary depending on the depositional history of the area.	Section 8.16.1.1 Page 8.16-1	Yes	
Appendix B (16) (B)	A discussion of the sensitivity of the project area described in subsection (g)(16)(A) and the presence and significance of any known paleontologic localities or other paleontologic resources within or adjacent to the project.	Section 8.16.1.2 Pages 8.16-1 through 8.16-4	Yes	
Appendix B (16) (C)	A summary of all literature searches and field surveys used to provide information about paleontologic resources in the project area described in subsection (g)(16)(A). Identify the dates of the surveys, methods used in completing the surveys, and the names and qualifications of the individuals conducting the surveys.	Section 8.16.1.2, pages 8.16-2 through 8.16-4 Section 8.16.2.1, pages 8.16-4 through 8.16-5 Section 8.16.9, pages 8.16-14 through 8.16-15	Yes	
Appendix B (16) (D)	Information on the specific location of known paleontologic resources, survey reports, locality records, and maps at a scale of 1:24,000, shall be included in a separate appendix to the Application and submitted to the Commission under a request for confidentiality, pursuant to Title 20, California Code of Regulations, § 2501 et seq.	Appendix Q	Yes	

Technical Area: <u>Paleontological Resources</u>	Project: <u>Malburg Generating Station</u>	Technical Staff: <u>Dal Hunter</u>
Project Manager: <u>James Reede</u>	Docket: <u>01-AFC-25</u>	Technical Senior: <u>Lynn Alexander</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B 1) (16) (E)	A discussion of any educational programs proposed to enhance awareness of potential impacts to paleontological resources by employees, measures proposed for mitigation of impacts to known paleontologic resources, and a set of contingency measures for mitigation of potential impacts to currently unknown paleontologic resources.	Section 8.16.5 Pages 8.16-8 through 8.16-12	Yes	
Appendix B 1) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.16-1 Page 8.16-16	Yes	
Appendix B 1) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Section 8.16-7 Page 8.16-13	Yes	
Appendix B 1) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.16.6 Pages 8.16-12 through 8.16-13	Yes	
Appendix B 1) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 8.16.7 Page 8.16-13	Yes	
Appendix B 1) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.16.8 Page 8.16-13	Yes	

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date 1/16/2002

Technical Area:

Paleontological Resources

Project:

Malburg Generating Station

Technical Staff:

Dal Hunter

Project Manager:

James Reede

Docket:

01-AFC-25

Technical Senior:

Lynn Alexander

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) \\II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) \\II)	A list of such standards, ordinances, and laws;	Table 8.16-1 Page 8.16-16	Yes	
2022(b)(1)(C) \\II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.16.6 Pages 8.16-12 through 8.16-13	Yes	
2022(b)(1)(D) \\II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
2022(b)(1)(E) \\II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Section 8.16.8 Page 8.16-13	Yes	

dequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date December 27, 2007
 echnical Area: Project Overview Project: Vernon - Malburg Generating Station Technical Staff: Bill Pfanner
 Docket: 01-AFC-25 Technical Senior: Paul C. Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
al. Code Regs., l. 20, § 1704, (a) 3) (A)	Descriptions of all significant assumptions, methodologies, and computational methods used in arriving at conclusions in the document.	Entire AFC	Yes	
al. Code Regs., l. 20, § 1704, (a) 3) (B)	Descriptions, including methodologies and findings, of all major studies or research efforts undertaken and relied upon to provide information for the document; and a description of ongoing research of significance to the project (including expected completion dates; and	Entire AFC	Yes	
al. Code Regs., l. 20, § 1704, (a) 3) (C)	A list of all literature relied upon or referenced in the documents, along with brief discussions of the relevance of each such reference	Entire AFC	Yes	
al. Code Regs., l. 20, § 1704, (a) 4)	Each principal subject area covered in a notice or application shall be set forth in a separate chapter or section, each of which shall identify the person or persons responsible for its preparation.	Table of Content Chapter 10	Yes	
ppendix B a) (1) (A)	A general description of the proposed site and related facilities, including the location of the site or transmission routes, the type, size and capacity of the generating or transmission facilities, fuel characteristics, fuel supply, water supply, pollution control systems, and other general characteristics.	Chapter 3.0, p 3-1	Yes	
ppendix B a) (1) (B)	Identification of the location of the proposed site and related facilities by section, township, range, county and assessors parcel numbers.	Section 3.2, p. 3-2	Yes	
ppendix B a) (1) (C)	A description of and maps depicting the region, the vicinity, and the site and its immediate surroundings.	Entire AFC Chapter 3.0 - Facility Description Chapter 1.0 - Executive Summary	Yes	
ppendix B a) (1) (D)	A full-page color photographic reproduction depicting the visual appearance of the site prior to construction, and a full-page color simulation or artist's rendering of the site and all project components at the site, after construction.	Chapter 1.0 Figures 1.2-1 and 1.2-2	Yes	

Technical Area:

Project Overview

Project:

Vernon - Malburg Generating Station

Docket:

01-AFC-25

Technical Staff:

Bill Pfanner

Technical Senior:

Paul C. Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (E)	In an appendix to the application, a list of current assessor's parcel numbers and owners' names and addresses for all parcels within 500 feet of the proposed transmission line and other linear facilities, and within 1000 feet of the proposed powerplant and related facilities.	Appendix A	Yes	
Appendix B (2)	Project Schedule: Proposed dates of initiation and completion of construction, initial start-up, and full-scale operation of the proposed facilities.	Figure 1.5-1	Yes	
Appendix B (3) (A)	A list of all owners and operators of the site(s), the power plant facilities, and, if applicable, thermal host, the geothermal leasehold, the geothermal resource conveyance lines, and the geothermal re-injection system, and a description of their legal interest in these facilities.	Owners -Section 1.6, p 1-3; Operations -Section 1.4, p 1-4	Yes	
Appendix B (3) (B)	A list of all owners and operators of the proposed electric transmission facilities.	Chapter 5.0, p.5-1	Yes	
Appendix B (3) (C)	A description of the legal relationship between the applicant and each of the persons or entities specified in subsections (a)(3)(A) and (B).	Chapter 1.0 - Section 1.6, P 1-5	Yes	
Appendix B (1) (A)	Maps at a scale of 1:24,000 (1" = 2000'), along with an identification of the dedicated leaseholds by section, township, range, county, and county assessor's parcel number, showing the proposed final locations and layout of the power plant and all related facilities;		No	Provide assessor's parcel map and identify the assessor's parcel numbers for all parcels involved in the project.
Appendix B (1) (B)	Scale plan and elevation drawings depicting the relative size and location of the power plant and all related facilities;	Scale Plan, Figure 3.4-1, Elevation, Figure 3.4-2	Yes	
Appendix B (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Chapter 3.0 Facility Design	Yes	

Technical Area:

Project Overview

Project:

Vernon - Malburg Generating Station

Technical Staff:

Bill Pfanner

Docket:

01-AFC-25

Technical Senior:

Paul C. Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (2) (A)	Maps at a scale of 1:24,000 of each proposed transmission line route, showing the settled areas, parks, recreational areas, scenic areas, and existing transmission lines within one mile of the proposed route(s).	Not Applicable	Yes	
Appendix B (2) (B)	A full-page color photographic reproduction depicting a representative above ground section of the transmission line route prior to construction and a full-page color photographic simulation of that section of the transmission line route after construction.	Not Applicable	Yes	
Appendix B (3)	In a section entitled, "Demand Conformance" provide a discussion explaining how the proposed project conforms with the requirements of Public Resources Code § 25524 or Public Resources Code § 25540.6(a)(5). If the provisions of Public Resources Code § 25523.5 are applicable, explain how the project conforms with the requirements of this section. Additional data adequacy requirements may be contained in the Electricity Report applicable pursuant to Title 20, California Code of Regulations, § 1720.5.	Chapter 2.0	Yes	
Appendix B (1) (1)	A copy of any study or analysis required by the terms of the Commission's Final Decision on the NOI, and a brief summary of the results of the study or analysis.	Not Applicable	NA	
Appendix B (1) (2)	Updates of any significant information which has changed since the Commission's Final Decision on the NOI.	Not Applicable	NA	
Appendix B (1) (1)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Chapter 4.0, p. 4-1 and 4-2	Yes	

dequacy Issue: Adequate **X** Inadequate **DATA ADEQUACY WORKSHEET** Revision No. 00 Date 12/27/01
 echnical Area: **Project Description** Project: City of Vernon (Six Month Expedited Process) Technical Staff: Bill Pfanner
 Malburg Generating Station
 roject Manager: James W. Reede Jr. Docket: 01-AFC-25 Technical Senior: Paul C. Richins

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (11)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) (11)	A list of such standards, ordinances, and laws;		N/A	
2022(b)(1)(C) (11)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;		N/A	
2022(b)(1)(D) (11)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
2022(b)(1)(E) (11)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	
2022(b)(5) (11)	The following information to demonstrate that the project, if certified, is likely to be constructed and operated;			
2022(b)(5)(A) (11)	Information demonstrating the applicant's control, by ownership, lease, option, or other legally binding agreement, that the Commission finds acceptable, of the proposed site and		Yes	

adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 26, 200

Technical Area: **Public Health**

Project: Malburg Generating Station

Technical Staff: Alvin Greenberg

Project Manager: James Reed

Docket: 01-AFC-25

Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.6.1 Sec. 8.6.2.2 Sec. 8.6.2.3 Sec. 8.6.2.7 Sec. 8.6.2.8 Sec. 8.6.2.9 Sec. 8.6.3 Sec. 8.1.3 Appendix L	YES	
Appendix B (9) (A)	A list of all toxic substances emitted by the project under normal operating conditions, which may cause an adverse public health impact as a result of acute, chronic, or sub-chronic exposure and to which members of the public may be exposed. This list should include, at a minimum, any pollutants emitted by the project that are listed pursuant to Health and Safety Code § 25249.8.	Table 8.6-1 Table 8.6-2	YES	
Appendix B (9) (B)	A protocol describing the analysis which the applicant will conduct to determine the extent of potential public exposure to substances identified in subsection (g)(9)(A) resulting from normal facility operation. The analysis itself can be submitted after the AFC is complete.	Sec. 8.6.2.1. Appendix L	YES	
Appendix B (9) (C)	A map at a scale of 1:24,000, showing all terrain areas exceeding the elevation of the stack within a 10 mile radius of the facility.	Figure 8.1-2 Figure 8.6-2	YES	
Appendix B (9) (D)	A map at a scale of 1:24,000, showing the distribution of population and sensitive receptors within the area exposed to the substances identified in subsection (g)(9)(A).	Figure 8.6-1	YES	

Technical Area:	Public Health	Project:	Malburg Generating Station	Technical Staff:	Alvin Greenberg
Project Manager:	James Reed	Docket:	01-AFC-25	Technical Senior:	Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.6-5	YES	
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.6-6 Sec. LORS p. I-1 to I-27	YES	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Table 8.6-5 Sec. 8.6.4	YES	
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.6-6	YES	
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 8.6.6	YES	

adequacy Issue: Adequate **X** Inadequate **DATA ADEQUACY WORKSHEET** Revision No. 0 Date December 26, 2007
 (Six Month Expedited Process)
 Technical Area: Public Health Project: Malburg Generating Station Technical Staff: Alvin Greenberg
 Project Manager: James Reed Docket: 01-AFC-25 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) (II)	A list of such standards, ordinances, and laws;	Table 8.6-5 Sec. 8.6.4	YES	
2022(b)(1)(B) (II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Table 8.6-5	YES	
2022(b)(1)(C) (II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A		
2022(b)(1)(D) (II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. LORS p. I-1 to I-27 Sec. 8.6.5 Table 8.6-5	YES	
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequate ☒ Inadequate ☐ ~~----- ADEQUATE -----~~

(Six Month Expedited Process)

Revision NO. 0 Date December 20, 200

Technical Area: Public Health Project: Malburg Generating Station Technical Staff: Alvin Greenberg

Project Manager: James Reed Docket: 01-AFC-25 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(2)(D) (Air Quality, Public Health)	A modeling analysis that identifies the extent of potential public exposure to toxic substances, as identified in subsection (g)(9)(A) of Appendix B, resulting from normal facility operation;	Sec. 8.6.2.1. Sec. 8.6.2.3 Sec. 8.6.2.4 Sec. 8.6.2.5	YES	
2022(b)(4)(C) (Public Health)	Identification of available health studies concerning the potentially affected population(s) within a six-mile radius of the proposed power plant site;	N/A		

adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date January 7, 2002

Technical Area: Reliability

Project: Malburg Generating Station

Technical Staff: Kevin Robinson

Project Manager: Bill Pfanner

Docket: 01-AFC-25

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	§§1.1, 1.2, 1.4, 1.7, 1.8, 1.10.14, 1.10.15, 3.1, 3.3, 3.4.3, 3.4.4.1-3.4.4.4, 3.4.5.2, 3.4.5.3, 3.4.6, 3.4.7, 3.4.7.2, 3.4.10, 3.4.12.3, 3.4.12.4, 3.4.12.6, 3.4.18.1, 3.4.18.6, 3.4.18.7, 3.5.1, 3.7, 3.8.1.1, 3.8.3.1, 3.8.3.3-3.8.3.8, 3.8.4.2, 3.9.5, 6.0, 7.0, 8.15.2.3 Table 3.9-1 Appendices B(§1.1), 3, 5, E	Yes	
Appendix B (3) (A)	A discussion of the sources and availability of the fuel or fuels to be used over the estimated service life of the facilities.	§§ 1.2, 1.8, 3.1, 3.4.6, 3.8.3.6, 3.8.4.2, 6.0 Appendices B(§1.1), 3	Yes	
Appendix B (3) (B)	A discussion of the anticipated service life and degree of reliability expected to be achieved by the proposed facilities based on a consideration of:	—	—	
Appendix B (3) (B) (i)	Expected annual and lifetime capacity factors;	§§ 1.4, 3.7, 3.4.3, 3.8.1, 3.8.3.4	Yes	
Appendix B (3) (B) (ii)	The demonstrated or anticipated feasibility of the technologies, systems, components, and measures proposed to be employed in the facilities, including the power generation system, the heat dissipation system, the water supply system, the reinjection system, the atmospheric emission control system, resource conveyance lines, and the waste disposal system;	§§ 1.1, 1.2, 1.7, 3.1, 3.4.3, 3.4.4.1-3.4.4.3, 3.4.7, 3.4.7.2, 3.4.4.4, 3.4.12.6, 3.4.10, 3.8.3.1, 3.8.3.7, 7.0 Appendix B (§ 1.1)	Yes	
Appendix B (3) (B) (iii)	Geologic and flood hazards, meteorologic conditions and climatic extremes, and cooling water availability;	§§ 1.1, 1.2, 1.7, 1.10.15, 3.1, 3.3, 3.4.7, 3.4.7.2, 3.8.1.1, 3.8.3.7, 3.8.4.2, 3.9.5, 8.15.2.3 Appendices B, E	Yes	

Technical Area: <u>Reliability</u>	Project: <u>Malburg Generating Station</u>	Technical Staff: <u>Kevin Robinson</u>
Project Manager: <u>Bill Pfanner</u>	Docket: <u>01-AFC-25</u>	Technical Senior: <u>Steve Baker</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (3) (B) (iv)	Special design features adopted by the applicant or resource supplier to ensure power plant reliability; and	§§ 1.4, 3.4.3, 3.4.4.1-3.4.4.4, 3.4.5.2, 3.4.5.3, 3.4.12.3, 3.4.12.4, 3.4.12.6, 3.4.18.1, 3.4.18.6, 3.4.18.7, 3.5.1, 3.7, 3.8.3.1, 3.8.3.3, 3.8.3.8, 3.8.4.2 Table 3.8-1	Yes	
Appendix B (3) (B) (v)	The expected power plant maturation period.	§ 3.8.3.4	Yes	
Appendix B (1) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 3.9-1	Yes	
Appendix B (1) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	N/A	N/A	
Appendix B (1) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	N/A	N/A	
Appendix B (1) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	N/A	N/A	
Appendix B (1) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	N/A	N/A	

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 00 Date January 7, 2002

Technical Area: **Reliability**

Project: Malburg Generating Station

Technical Staff: Kevin Robinson

Project Manager: Bill Pfanner

Docket: 01-AFC-25

Technical Senior: Steve Baker

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (11)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) (11)	A list of such standards, ordinances, and laws;	N/A	N/A	
2022(b)(1)(C) (11)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	N/A	N/A	
2022(b)(1)(D) (11)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A	N/A	
2022(b)(1)(E) (11)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	N/A	N/A	
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

adequacy Issue: Adequate _____ Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12/28/01

Technical Area: Socioeconomics Project: Malburg Generating Station Technical Staff: James Adams

Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pg. 1-10 AFC Section 1.10.8 PP. 8.8-1 through 8.8-25 Section 8.8	Yes	
Appendix B j) (7) (A)	A description of the socioeconomic circumstances of the vicinity and region affected by construction and operation of the project. Include:	PP. 8.8-1 through 5 Sections 8.8.1.1 through 8.8.1.8	Yes	
Appendix B j) (7) (A) (i)	The economic characteristics, including the economic base, fiscal resources, and a list of the applicable local agencies with taxing powers and their most recent and projected revenues;	PP. 8.8-2 through 5 Sections 8.8.1.1 through 8.8.1.8	Yes	
Appendix B j) (7) (A) (ii)	The social characteristics, including population and demographic and community trends;	Pg. 8.8-2, Section 8.8.1.3 PP. 8.8-5 & 6 Section 8.8.1.9 PP. 8.8-17 through 23 Table 8.8-7	Yes	
Appendix B j) (7) (A) (iii)	Existing and projected unemployment rates;	PP. 8.8-2 & 3, Section 8.8.1.4, Pg. 8.8-14, Table 8.8-3	Yes	
Appendix B j) (7) (A) (iv)	Availability of skilled workers by craft required for construction and operation of the project;	PP. 8.8-2 & 3 Section 8.8.1.4 Pg. 8.8-14, Table 8.8-4	Yes	
Appendix B j) (7) (A) (v)	Availability of temporary and permanent housing; and	Pg. 8.8-3, Section 8.8.1.5 Pg. 8.8-15, Table 8.8-5	Yes	

Technical Area: Socioeconomics	Project: Malburg Generating Station	Technical Staff: James Adams
Project Manager: Bill Pfanner	Docket: 01-AFC-25	Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (7) (A) (vi)	Capacities, existing and expected use levels, and planned expansion of utilities (gas, water and waste) and public services, including fire protection, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information for each school district shall include current enrollment and yearly expected enrollment by grade level groupings, excluding project-related changes, for the duration of the project construction schedule.	PP. 8.8-3 through 5 Section 8.8.1.6	Yes	
Appendix B j) (7) (B)	A discussion of the socioeconomic impacts caused by the construction and operation of the project, including:	PP. 8.8-6 through 9 Section 8.8.2.2 & 3	No	
Appendix B j) (7) (B) (i)	The number of workers to be employed each month by craft during construction and operation;		No	Please provide the number of workers to be employed each month by craft during construction and operation.
Appendix B j) (7) (B) (ii)	An estimate of the number and percentage of workers who will commute daily, commute weekly, or relocate in order to work on the project;	Pg. 8.8-7 & 8 Section 8.8.2.2 & 3	Yes	
Appendix B j) (7) (B) (iii)	An estimate of the potential population increase caused directly and indirectly by the project;	Pg. 8.8-7 & 8 Section 8.8.2.2 & 3	Yes	
Appendix B j) (7) (B) (iv)	The potential impact of population increase on housing during the construction and operations phases;	Pg. 8.8-7 & 8 Section 8.8.2.2 & 3	Yes	
Appendix B j) (7) (B) (v)	The potential impacts, including additional costs, on utilities (gas, water and waste) and public services, including fire, law enforcement, emergency response, medical facilities, other assessment districts, and school districts. For projects outside metropolitan areas with a population of 500,000 or more, information on schools shall include project-related enrollment changes by grade level groupings and associated facility and staffing impacts by school district during the construction and operation phases;	Pg. 8.8-7 & 8 Section 8.8.2.2 & 3	Yes	

Technical Area: **Socioeconomics**

Project Manager: **Bill Pfanner**

Project: **Malburg Generating Station**

Docket: **01-AFC-25**

Technical Staff: **James Adams**

Technical Senior: **Dale Edwards**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (7) (B) (vi)	An estimate of applicable school impact fees;	Pg. 8.8-5, Section 8.8.1.8	Yes	
Appendix B (7) (B) (vii)	An estimate of the total construction payroll and an estimate of the total operation payroll;	PP. 8.8-7 & 8 Section 8.8.2.2	No	Please provide an estimate of the total operation payroll.
Appendix B (7) (B) (viii)	An estimate of the expenditures for locally purchased materials for the construction and operation phases of the project; and	PP. 8.8-7 & 8 Section 8.8.2.2	No	Please provide an estimate of the expenditures for the operation phase of the project.
Appendix B (7) (B) (ix)	An estimate of the capital cost of the project of the potential impacts on tax revenues from construction and operation of the project.	Pg. 8.8-5, Section 8.8.1.8 Pg. 8.8-8, Section 8.8.2.3	No	Please provide an estimate of the tax revenues from operation of the project.
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	PP. 1-24 & 25 LORS Summary Table	Yes	
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Pg. 8.8-10, Section 8.8.7	No	Please create a table which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		No	Please provide a discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Yes	
Appendix (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Pg. 8.8-10, Section 8.8.8	Yes	

adequacy Issue: Adequate Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 Date 12/28/01
 echnical Area: **Socioeconomics** (Six Month Expedited Process) Project: Malburg Generating Station Technical Staff: James Adams
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) (II)	A list of such standards, ordinances, and laws;	PP. 1-24 & 25 LORS Summary Table	Yes	
2022(b)(1)(B) (II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;		No	Please provide a discussion of the conformity of the project with the requirements listed in subsection 2022(b)(1)(A).
2022(b)(1)(C) (II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/a	
2022(b)(1)(D) (II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		No	Please provide a list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements.
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

Adequate ☐ Inadequate ☒ **INADEQUATE - EXPEDITED** (Six Month Expedited Process)
 Revision NO. 0 Date 12/20/01
 Technical Area: **Socioeconomics** Project: Malburg Generating Station Technical Staff: James Adams
 Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(4) (Any area that addresses disproportionate impacts; environmental justice)	A discussion of the potential for disproportionate impacts from the project on minority or low-income people; such discussion shall include, but not be limited to, all of the following:			
2022(b)(4)(A) (Land Use, Socioeconomics)	Demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site;		No	Plases provide demographic information by census tract, based on the most recent census data available, showing the number and percentage of minority populations and people living below the poverty level within six miles of the proposed site.
2022(b)(4)(B) (Land Use, Socioeconomics)	One or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control; and		No	Please provide one or more maps at a scale of 1:24,000 showing the distribution of minority populations and low-income populations and significant pollution sources within six miles of the proposed site, such as those permitted by the U.S. Environmental Protection Agency (Toxic Release Inventory sites), the local air quality management district, or the California Department of Toxic Substances Control.

adequacy Issue: Adequate _____ Inadequate **X**

Technical Area: **Soils**

Project Manager: Bill Pfanner

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 1-8-02

Technical Staff: Tony Mediati

Technical Senior: Dick Anderson

Project: Malburg Generating Station

Docket: 01-AFC-25

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.9.1 p 8.9-1 to 8.9-3 Sec. 8.9.2 p 8.9-3 to 8.9-4 Sec. 8.9.4 p 8.9-4 Sec. 8.9.5 p 8.9-4 Sec. 1.10.9 p 1-10	Yes	
Appendix B j) (15) (A)	A map at a scale of 1:24,000 and written description of soil types and all agricultural land uses that will be affected by the proposed project. The description shall include:	Sec. 8.9.1.2 p 8.9-1 to 8.9-2 Figure 8.9-1 p 8.9-7	No	Please provide a map at a scale of 1:24,000
Appendix B j) (15) (A) (i)	The depth, texture, permeability, drainage, erosion hazard rating, and land capability class of the soil; and	Sec. 8.9.1.2 p 8.9-1 to 8.9-2	No	Please provide the erosion hazard rating for the soil types. Please provide the permeability, drainage, erosion hazard rating, and land capability class of the fill material.
Appendix B j) (15) (A) (ii)	An identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system.	Sec. 8.9.1.2 p 8.9-1 to 8.9-2	No	Please provide an identification of other physical and chemical characteristics of the soil necessary to allow an evaluation of soil erodibility, permeability, re-vegetation potential, and cycling of pollutants in the soil-vegetation system for the fill material.
Appendix B j) (15) (C)	An assessment of the effects of the proposed project on soil resources and agricultural land uses. This discussion shall include:	Sec. 8.9.2 p 8.9-3	Yes	
Appendix B j) (15) (C) (i)	The quantification of accelerated soil loss due to wind and water erosion;	Sec. 8.9.2.2 p 8.9-3	No	Please provide the quantification of accelerated soil loss due to wind and water erosion (current, immediately upon completion of construction, and five years after completion). Please provide a description of the areas where the soil from the site and linears will be deposited if it enters drainage ditches, pipes and canals.

Technical Area:
Project Manager:

Soils
Bill Pfanner

Project: Malburg Generating Station
Docket: 01-AFC-25

Technical Staff: Tony Mediati
Technical: Dick Anderson
Senior:

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (15) (C) (iii)	The effect of power plant emissions on surrounding soil-vegetation systems.	Sec. 8.9.2.3 p 8.9-3 Sec. 8.9.5 p 8.9-4	Yes	
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 8.9.6 p 8.9-5	No	Please provide tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits (e.g. Clean Water Act, Porter-Cologne Water Quality Control Act, California Public Resources Code section 25523, etc.) applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 8.9.7 p 8.9-8	No	Please provide tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 8.9.6 p 8.9-5	No	Please provide a discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 8.9.7 p 8.9-5	No	Please provide the name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 8.9.8 p 8.9-5	Yes	

adequacy Issue: Adequate Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. Date 1-8-02
 echnical Area: **Soils** Project: **(Six Month Expedited Process) Malburg Generating Station** Technical Staff: Tony Mediati
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) \II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;	To Be considered Data Adequate for the six month expedited process please provide the following information in addition to the information requested on the standard twelve month data adequacy worksheet.		
2022(b)(1)(B) \II)	A list of such standards, ordinances, and laws;	Sec. 8.9.6 p 8.9-5	No	Please provide a list of such standards, ordinances, and laws.
2022(b)(1)(C) \II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 8.9.6 p 8.9-5	No	Please provide substantial evidence and information demonstrating that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification.
2022(b)(1)(D) \II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No	Please provide a discussion of expected changes to LORS.
2022(b)(2) \II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 8.9.6 p 8.9-5	No	Please provide a list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements.
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. 00 Date Jan 9, 2002

Technical Area: **Transmission Line Safety and Nuisance** Project: Vernon Project Technical Staff: Obed Odoemelam

Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.

Technical Area:	Transmission Line Safety and Nuisance	Project:	Vernon Project	Technical Staff:	Obed Odoemelum
Project Manager:	Bill Pfanner	Docket:	01-AFC-25	Technical Senior:	Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		Yes	This information was not included by the applicant in the Application for Certification (AFC). However, because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		Yes	Measurements are not required at this time. However, measurements may be required during the actual operation of the facility as a condition for certification.
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.

Technical Area:	Transmission Line Safety and Nuisance	Project:	Vernon Project	Technical Staff:	Obed Odoemelam
Project Manager:	Bill Pfanner	Docket:	01-AFC-25	Technical Senior:	Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
Appendix B (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.

adequacy Issue:

Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 00 Date Jan 9, 2002

Technical Area:

Transmission Line Safety and Nuisance

Project:

(Six Month Expedited Process)

Vernon Project

Technical Staff:

Obed Odoemelam

Project Manager:

Bill Pfanner

Docket:

01-AFC-25

Technical Senior:

Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (11)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) (11)	A list of such standards, ordinances, and laws;		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
2022(b)(1)(C) (11)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;		Yes	Because this is an existing facility that will not be modified (no new transmission lines), this information is not necessary at this stage.
2022(b)(1)(D) (11)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	NA	NA	
2022(b)(1)(E) (11)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	NA	NA	

adequacy Issue: Adequate Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 0 01/02/02

Technical Area: **Traffic and Transportation** Project: Malburg Generating Station Project Technical Staff: James Fore

Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	AFC Section 8.10.1.1, Page 8.10-1; Section 8.10.1.2, Page 8.10-2; Section 8.10.2.2, Page 8.10-6; Section 8.10.2.3, Pages 8.10-6 through 8.10-8; Section 8.10.4 Page 8.10-14; and Section 8.10.5, Page 8.10.14	Yes	
Appendix B (5) (A)	A regional transportation setting, on topographic maps (scale of 1:250,000), identifying the project location and major transportation facilities. Include a reference to the transportation element of any applicable local or regional plan.	AFC Figure 8.10-1, Page 8.10-27.	Yes	
Appendix B (5) (B)	An identification, on topographic maps at a scale of 1:24,000 and a description of existing and planned roads, rail lines, including light rail, bike trails, airports, bus routes serving the project vicinity, pipelines, and canals in the project area affected by or serving the proposed facility. For each road identified, include the following information, where applicable:	AFC Sections 8.10.1.2, 8.10.1.3, 8.10.1.4, 8.10.1.5, 8.10.2.6, Pages 8.10-2 through 8.10-4; Figure 8.10-2, Page 8.10-28	Yes	
Appendix B (5) (B) (i)	Road classification and design capacity;	AFC Sections 8.10.1.1, and 8.10.1.2, Pages 8.10-1 through 8.10-4, Table 8.10-2, Page 8.10-19	Yes	
Appendix B (5) (B) (ii)	Current daily average and peak traffic counts;	Table 8.10-2 Page 8.10-19 and Table 8.10-4, Page 8.10-21	Yes	
Appendix B (5) (B) (iii)	Current and projected levels of service before project development, during construction, and during project operation;	Section 8.10.2.2, Page 8.10-4; Table 8.10-5, Pages 8.10-22 through 8.10-23	Yes	
Appendix B (5) (B) (iv)	Weight and load limitations;	AFC Section 8.10.1.1, Page 8.10-1	No	Please provide weight and load limitation for area roadways
Appendix B (5) (B) (v)	Estimated percentage of current traffic flows for passenger vehicles and trucks; and	AFC Section 8.10.2.2, Page 8.10-6 Table 8.10.2 Page 8.10-18	Yes	

Technical Area: **Traffic and Transportation**
 Project Manager: **Bill Pfanner**

Project: **Malburg Generating Station Project**
 Docket: **01-AFC-25**

Technical Staff: **James Fore**
 Technical Senior: **Eileen Allen**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (j) (5) (B) (vi)	An identification of any road features affecting public safety.	AFC Section 8.10.1.7, Page 8.10-4, Figure 8.10-7, Page 8.10-33; AFC Section 8.10.2.8, Page 8.10-13	Yes	
Appendix B (j) (5) (C)	A description of any new, planned, or programmed transportation facilities in the project vicinity, including those necessary for construction and operation of the proposed project. Specify the location of such facilities on topographic maps at a scale of 1:24,000.	AFC Section 8.10.1.6, Page 8.10-4, Figure 8.10-6 Page 8.10-32	Yes	
Appendix B (j) (5) (D)	An assessment of the construction and operation impacts of the proposed project on the transportation facilities identified. Include anticipated project-specific traffic, estimated changes to daily average and peak traffic counts, levels of service, and traffic/truck mix, and the impact of construction of any facilities identified in subsection (g)(5)(C).	AFC Section 8.10.2.3, Pages 8.10-6 and 8.10-7; Tables 8.10-4 and 8.10-5, Pages 8.10-21 through 8.10-23.	Yes	
Appendix B (i) (5) (E)	A discussion of project-related hazardous materials to be transported to or from the project during construction and operation of the project, including the types, estimated quantities, estimated number of trips, anticipated routes, means of transportation, and any transportation hazards associated with such transport.	AFC Section 8.10.2.7, Page 8.10-13	No	Please identify the anticipated travel route for the delivery of aqueous ammonia to the plant site; any transportation hazards associated with the route; and the location of any sensitive receptors along the route
Appendix B (i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	AFC Section 8.10.6, Pages 8.10-14 through 8.10-17, Table 8.10-6, Pages 8.10-24 and 8.10-25	Yes	
Appendix B (i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	AFC Permit Summary Pages P-1 through P-4; Table 8.10-7, Page 8.10-26	Yes	
Appendix B (i) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	AFC Section 8.10.6, Pages 8.10-14 through 8.10-17	Yes	

Technical Area: **Traffic and Transportation**
Project Manager: Bill Pfanner

Project: Malburg Generating Station Project
Docket: 01-AFC-25

Technical Staff: James Fore
Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	AFC Section 8.10-7, Page 8.10-14	Yes	
Appendix B i) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	AFC Table 8.10.6, Page 8.10-26	Yes	

adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. 00 Date 12/27/01
 echnical Area: **Traffic and Transportation** Project: Malburg Generating Station Project Technical Staff: James Fore
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Eileen Allen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(I) \\II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) \\II)	A list of such standards, ordinances, and laws;	AFC Section 8.10.6, Pages 8.10-14 through 8.10-17, Table 8.10-6, Pages 8.10-24 and 8.10-25.	Yes	
2022(b)(1)(B) \\II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	AFC Sections 8.10.6.1, 8.10.6.2, and 8.10.6.3, Pages 8.10-14 through 8.10-17.	Yes	
2022(b)(1)(C) \\II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	AFC Sections 8.10.6, 8.10.6.1, 8.10.6.2, and 8.10.6.3, Pages 8.10-14 through 8.10-17.	Yes	
2022(b)(1)(D) \\II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	AFC Section 8.10.8, Page 8.10-17 and Table 8.10-8, Page 8.10-26.	Yes	

adequacy Issue: Adequate _____ Inadequate **x** **DATA ADEQUACY WORKSHEET** Revision No. 00 Date January 9, 2002
 Technical Area: **Transmission System Eng.** Project: Malburg Generating Station Technical Staff: Ajoy Guha, P.E.
 Project Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Sudath Arachchige
 Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (2) (A)	A discussion of the need for the additional electric transmission lines, substations, or other equipment, the basis for selecting principal points of junction with the existing electric transmission system, and the capacity and voltage levels of the proposed lines, along with the basis for selection of the capacity and voltage levels.	Section 3.4.5, Pages 8 to 13 Section 5.0, Pages 5-1 to 5-4	Yes	
Appendix B (2) (B)	A discussion of the extent to which the proposed electric transmission facilities have been designed, planned, and routed to meet the transmission requirements created by additional generating facilities planned by the applicant or any other entity.		N.A.	

Technical Area:	Transmission System Eng.	Project:	Malburg Generating Station	Technical Staff:	Ajoy Guha, P.E. Sudath Arachchige
Project Manager:	Bill Pfanner	Docket:	01-AFC-25	Technical Senior:	Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (2) (C)	A detailed description of the design, construction, and operation of any electric transmission facilities, such as power lines, substations, switchyards, or other transmission equipment, which will be constructed or modified to transmit electrical power from the proposed power plant to the load centers to be served by the facility. Such description shall include the width of rights of way and the physical and electrical characteristics of electrical transmission facilities such as towers, conductors, and insulators. This description shall include power load flow diagrams which demonstrate conformance or nonconformance with utility reliability and planning criteria at the time the facility is expected to be placed in operation and five years thereafter; and	Section 3.4.5, Pages 8 to 13 Section 5.0, Pages 5-1 to 5-4 Interconnection System Impact Study, Appendix D.	No	<p>The System Impact Study Report submitted with the AFC was found inadequate and incomplete. Submit a new System Impact Study Report, the study to be performed by using a industry recognized Power Flow program (Example-GE PSLF for the first year operation with 2003 Western System Coordinating Council (WSCC) base cases for 134 MW nominal output of new generation. Analyze the system impact with and without the project during peak (summer) and off-peak system (spring) conditions, which will demonstrate conformance or non-conformance with the WSCC, California Independent System Operator (Cal-ISO) and utility reliability and planning criteria with the following provisions:</p> <ol style="list-style-type: none"> Identify major assumptions in the base cases including imports and exports to the system, major generations including hydro, load changes in the system and queue generation. Analyze system for Power Flow for N-0, important N-1 and critical N-2 contingency conditions, and provide a list of overload criteria violations in one table showing the loadings before and after adding the new generation and their differences side by side. Analyze system for Transient Stability and Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related plots, switching data and a list of voltage criteria violations if any for adding the new generation (if available). Provide a Short Circuit Study Report in one table showing fault currents at important substation buses with and without the new generation and respective breaker interrupting ratings side by side (if available). Identify the reliability and planning criteria utilized to determine the criteria violation. Provide a list of contingencies evaluated for each study. List mitigation measures considered (required) and those selected (if available) for all criteria violations. Provide electronic copies of *.sav and *.drw GE PSLF and EPCL contingency files (if available). <p>Provide power flow diagrams (MVA, % loading & P. U. voltage for base cases with and without the 134 MW generation project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overloads or voltage violations appear.</p>

Technical Area: Transmission System Eng.	Project: Malburg Generating Station	Technical Staff: Ajoy Guha, P.E. Sudath Arachchige
Project Manager: Bill Pfanner	Docket: 01-AFC-25	Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (2) (D)	A description of how the route and additional transmission facilities were selected, and the consideration given to engineering constraints, environmental impacts, resource conveyance constraints, and electric transmission constraints.	Section 3.4.5, Pages 8 to 13 Section 5.0, Pages 5-1 to 5-4 Interconnection System Impact Study, Appendix D	No	Provide a full description of the new interconnection facilities and downstream facilities, the facilities requiring modifications or reconductoring. For their environmental settings and impacts, provide routes and detail environmental analysis and any recommended mitigation measures (Note: The new System Impact Study for the year 2003 must be completed first).
Appendix B i) (18) (A)	The locations and a description of the existing switchyards and overhead and underground transmission lines that would be affected by the proposed project.	Section 3.45, pages 8 to 13	Yes	
Appendix B i) (18) (B)	An estimate of the existing electric and magnetic fields from the facilities listed in (A) above and the future electric and magnetic fields that would be created by the proposed project, calculated at the property boundary of the site and at the edge of the rights of way for any transmission line. Also provide an estimate of the radio and television interference that could result from the project.		NA	
Appendix B i) (18) (C)	Specific measures proposed to mitigate identified impacts, including a description of measures proposed to eliminate or reduce radio and television interference, and all measures taken to reduce electric and magnetic field levels.		NA	
Appendix B i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Section 3.9, Table 3.9-1, Pages 3-82 to 3-88.	Yes	
Appendix B i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table Permit Summary Pages p-1 to p-4	Yes	

Technical Area: **Transmission System Eng.**

Project: Malburg Generating Station

Technical Staff: Ajoy Guha, P.E.
Sudath Arachchige

Project Manager: Bill Pfanner

Docket: 01-AFC-25

Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 3.9, Page 3-51	Yes	
Appendix B i) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Section 3.9, Table 3.9-1	Yes	
Appendix B i) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Table Permit Summary, Pages p-1 to p-4	No	Indicate when preliminary approval from California Independent System Operator will be obtained on completion of the new impact study.

adequacy Issue: Adequate Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 Date January 9, 2002
 echnical Area: **Transmission System Engineering** (Six Month Expedited Process) Project: Malburg Generating Station Technical Staff: Ajoy Guha, P.E.
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Al McCuen
 Sudath Arachchige

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1) \II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) \II)	A list of such standards, ordinances, and laws;	Section 3.9, Table 3.9-1, Pages 3-82 to 3-88.	Yes	
2022(b)(1)(B) \II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 3.9, Page 3-51.	Yes	
2022(b)(1)(C) \II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		NA	
2022(b)(1)(D) \II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Table Permit Summary, Pages p-1 to p-4	Yes	
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			
2022(b)(3) [SE)	Substantial evidence that the project will not cause a significant adverse impact on the electrical system, including all of the following:			

	Adequate	Inadequate	X	-----	Revision NO.	00	Date	January 9, 2002
Technical Area:	Transmission System Engineering			(Six Month Expedited Process)	Project:	Malburg Generating Station		Technical Staff:
Project Manager:	Bill Pfanner			Docket:	01-AFC-25		Technical Senior:	Ajoy Guha, P.E. Sudath Arachchige
								Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(3)(A) [SE]	An interconnection study identifying the electrical system impacts and a discussion of the mitigation measures considered and those proposed to maintain conformance with NERC, WSCC, Cal-ISO or other applicable reliability or planning criteria based on load flow, post transient, transient, and fault current studies performed by or for the transmission owner in accordance with all applicable Cal-ISO or other interconnection authority's tariffs, operating agreements, and scheduling protocols and	Section 5.0, Pages 5-1 to 5-4 Interconnection System Impact Study Report, Appendix D	No	<p>The System Impact Study Report submitted with the AFC was found inadequate and incomplete. Submit a new System Impact Study Report, the study to be performed by using a industry recognized Power Flow program (Example-GE PSLF for the first year operation with 2003 Western System Coordinating Council (WSCC) base cases for 134 MW nominal output of new generation. Analyze the system impact with and without the project during peak (summer) and off-peak system (spring) conditions, which will demonstrate conformance or non-conformance with the WSCC, California Independent System Operator (Cal-ISO) and utility reliability and planning criteria with the following provisions:</p> <ul style="list-style-type: none"> i. Identify major assumptions in the base cases including imports and exports to the system, major generations including hydro, load changes in the system and queue generation. j. Analyze system for Power Flow for N-0, important N-1 and critical N-2 contingency conditions, and provide a list of overload criteria violations in one table showing the loadings before and after adding the new generation and their differences side by side. k. Analyze system for Transient Stability and Post-transient voltage conditions under critical N-1 and N-2 contingencies, and provide related plots, switching data and a list of voltage criteria violations if any for adding the new generation. l. Provide a Short Circuit Study Report in one table showing fault currents at important substation buses with and without the new generation and respective breaker interrupting ratings side by side. m. Identify the reliability and planning criteria utilized to determine the criteria violation. n. Provide a list of contingencies evaluated for each study. o. List mitigation measures considered and those <u>selected</u> for all criteria violations. p. Provide electronic copies of *.sav and *.drw GE PSLF and EPCL contingency files (if available). q. Provide power flow diagrams (MVA, % loading & P. U. voltage) for base cases with and without the 134 MW generation project. Power flow diagrams must also be provided for all N-0, N-1 and N-2 studies where overload or voltage violations appear.

	<input type="checkbox"/> Adequate <input type="checkbox"/> Inadequate <input checked="" type="checkbox"/> Inadequate - Non-Compliant		REVISION NO. 00 Date January 9, 2002
Technical Area:	Transmission System Engineering	Project: Malburg Generating Station	Technical Staff: Ajoy Guha, P.E. Sudath Arachchige
Project Manager:	Bill Pfanner	Docket: 01-AFC-25	Technical Senior: Al McCuen

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(2)(B) (SE/FD)	A full description of the facilities, if any, that are required for interconnection, including all such facilities beyond the point where the outlet line joins with the interconnected system and a full description of the environmental setting, environmental impacts, and any recommended mitigation measures proposed by the applicant for any required facilities beyond the point where the outlet joins with the interconnected system;	Section 3.4.5, Pages 8 to 13. Section 5.0, Pages 5-1 to 5-4 Interconnection System Impact Study, Appendix D	No	Provide a full description of the new interconnection facilities and downstream facilities, and the facilities requiring modifications, reconductoring or any other project. For their environmental settings and impacts, <u>provide routes and detail environmental analysis (including other technical areas related to transmission) and any recommended mitigation measures</u> (Note: The new System Impact Study must be completed first).

adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. 0 Date January 9, 2002

Technical Area: **Visual Resources**

Project: Malberg Generating Station

Technical Staff: Eric Knight

Project Manager: Bill Pfanner

Docket: 01-AFC-25

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Pp. 8.11-1 – 8.11-2; Sec. 8.11.1 Pp. 8.11-2 – 8.11-6; Sec. 8.11.2 Pp. 8.11-6; Sec. 8.11.5	Yes	
Appendix B (6) (A)	Descriptions of the existing visual setting of the vicinity of the project, the region that can be seen from the vicinity of the project, and the proposed project site. Include:	Pp. 8.11-1 – 8.11-2; Sec. 8.11.1	Yes	
Appendix B (6) (A) (i)	Topographic maps at a scale of 1:24,000 of the areas from which the project may be seen, identification of the view areas most sensitive to the potential visual impacts of the project, and the locations where photographs were taken for (g)(6)(E);	Figures 8.11-1 and 8.11-2	No	Figure 8.11-1 does not include a scale. Please revise the figure to include a scale. If the map is not at a scale of 1:24,000, please re-scale the map.
Appendix B (6) (A) (ii)	Elevations of any existing structures on the site; and	Figure 3.4-2	Yes	
Appendix B (6) (A) (iii)	The visual properties of the topography, vegetation, and any modifications to the landscape as a result of human activities.	P. 8.11-2; Sec. 8.11.1.2	Yes	
Appendix B (6) (B)	An assessment of the visual quality of those areas that will be impacted by the proposed project.	P. 8.11-1; Sec. 8.11.1.1 P. 8.11-4; Sec. 8.11.2.5 P. 8.11-6; Sec. 8.11.4	Yes	
Appendix B (6) (C)	After discussions with staff and community residents who live in close proximity to the proposed project, identify the scenic corridors and any visually sensitive areas potentially affected by the proposed project, including recreational and residential areas. Indicate the approximate number of people using each of these sensitive areas and the estimated number of residences with views of the project. For purposes of this section, a scenic corridor is that area of land with scenic natural beauty, adjacent to and visible from a linear feature, such as a road, or river.	P. 8.11-1; Sec. 8.11.1.1	No	One Key Observation Point (KOP) was identified to represent the areas most sensitive to visual impacts. Please describe the area this KOP represents (i.e., land use, type of viewer), and the number of viewers at this location.

Technical Area: **Visual Resources**

Project Manager: Bill Pfanner

Project: Malberg Generating Station

Docket: 01-AFC-25

Technical Staff: Eric Knight

Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (6) (D)	A description of the dimensions, color, and material of each major visible component of the project.	P. 8.11-5; Sec. 8.11.2.6.1 P. 8.11-9; Table 8.11-1	No	Please provide the dimensions of all major visible components of the project, including the HRSG units and cooling towers.
Appendix B (6) (E)	Full-page color photographic reproductions of the existing site, and full-page color simulations of the proposed project in the existing setting from each location representative of the view areas most sensitive to the potential visual impacts of the project.	Figures 8.11-5 – 8.11-7	Yes	
Appendix B (6) (F)	An assessment of the visual impacts of the project, including light and glare, and visible plumes.	P. 8.11-5; Sec. 8.11.2.6.1	No	Please describe the visual impacts of project-related lighting and water vapor plumes (both from the exhaust stacks and cooling towers).
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	P. I-15; LORS Summary	Yes	
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	P. I-15; LORS Summary	Yes	
Appendix B (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	P. 8.11-4; Sec. 8.11.2.5 P. 8.11-7; Sec. 8.11.6.3	No	Please discuss how the project during <i>operation</i> would comply with the City of Vernon Zoning Ordinance, Article III, Section 26-3-5-4 (b): Outdoor activities and storage may be permitted provided such activities and storage are not visible from the public right-of-way.
Appendix B (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	P. 8.11-10; Sec. 8.11-3	Yes	

Technical Area:	<u>Visual Resources</u>	Project:	<u>Malberg Generating Station</u>	Technical Staff:	<u>Eric Knight</u>
Project Manager:	<u>Bill Pfanner</u>	Docket:	<u>01-AFC-25</u>	Technical Senior:	<u>Dale Edwards</u>

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.		N/A	

adequacy Issue: Adequate Inadequate **X** **DATA ADEQUACY WORKSHEET** Revision No. 00 Date January 9, 2002
 echnical Area: **Visual Resources** (Six Month Expedited Process) Project: Malburg Generating Station Technical Staff: Eric Knight
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dale Edwards

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) \II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) \II)	A list of such standards, ordinances, and laws;	P. I-15; LORS Summary	Yes	
2022(b)(1)(C) \II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	P. 8.11-4; Sec. 8.11.2.5 P. 8.11-7; Sec. 8.11.6.3	No	Please discuss how the project during <i>operation</i> would comply with the City of Vernon Zoning Ordinance, Article III, Section 26-3-5-4 (b): Outdoor activities and storage may be permitted provided such activities and storage are not visible from the public right-of-way.
2022(b)(1)(D) \II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No	The Land Use section of the AFC indicates that the Zoning Ordinance was last revised in October 1995. The AFC does not indicate whether the ordinance is expected to change between the time of filing of the AFC and certification. If the ordinance is not expected to change, please state as such and provide the source of that information. If it is expected to change, please provide information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard or ordinance.
2022(b)(1)(E) \II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	P. I-15; LORS Summary	Yes	

Adequacy ☒ Adequate ☐ Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date December 26, 2001

Technical Area: **Waste Management** Project: Malburg Generating Station
 Project Manager: James Reed Docket: 01-AFC-25
 Technical Staff: Alvin Greenberg
 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (b) (1) (C)	A detailed description of the design, construction and operation of the facilities, specifically including the power generation, cooling, water supply and treatment, waste handling and control, pollution control, fuel handling, and safety, emergency and auxiliary systems, and fuel types and fuel use scenarios; and	Sec. 3.4 Sec. 3.5 Sec. 3.6 Sec. 3.7	YES	
Appendix B (e) (2)	A discussion of how facility closure will be accomplished in the event of premature or unexpected cessation of operations.	Sec. 8.13.3 Sec. 4.0	YES	
Appendix B (g) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.13.1 Sec. 8.13.2. Sec. 8.13.4 Sec. 8.13.5	YES	
Appendix B (g) (12) (A)	A Phase I Environmental Site Assessment for the proposed power plant site using methods prescribed by the American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Site Assessments: Phase 1 Environmental Site Assessment Process" (Designation: E 1527-93, May 1993), which is incorporated by reference in its entirety; or an equivalent method agreed upon by the applicant and the CEC Staff that provides similar documentation of the potential level and extent of site contamination.	Appendix C (Phase II ESA) Appendix O	YES	
Appendix B (g) (12) (B)	A description of each waste stream estimated to be generated during project construction and operation, including origin, hazardous or nonhazardous classification pursuant to Title 22, California Code of Regulations, § 66261.20 et seq., chemical composition, estimated annual weight or volume generated, and estimated frequency of generation.	Sec. 8.13.2.1.1 Sec. 8.13.2.1.2 Table 8.13-1 Table 8.13-4	YES	
Appendix B (g) (12) (C)	A description of all waste disposal sites which may feasibly be used for disposal of project wastes. For each site, include the name, location, classification under Title 23, California Code of Regulations, § 2530 et seq., the daily or annual permitted capacity, daily or annual amounts of waste currently being accepted, the estimated closure date and remaining capacity, and a description of any enforcement action taken by local or state agencies due to waste disposal activities at the site.	Sec. 8.13.2.2 Table 8.13-3 Table 8.13-2	YES	

sue:

Technical
Area:
Project
Manager:

Waste Management

James Reed

Project:

Malburg Generating Station

Docket:

01-AFC-25

Technical Staff:

2001
Alvin Greenberg

Technical Senior:

Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (g) (12) (D)	A description of management methods for each waste stream, including methods used to minimize waste generation, length of on- and off-site waste storage, re-use and recycling opportunities, waste treatment methods used, and use of contractors for treatment.	Sec. 8.13.2.1.1 Sec. 8.13.2.1.2	YES	
Appendix B (h) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.13-5 Sec. 8.13.6	YES	
Appendix B (h) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.13-5 Table 8.13-6	YES	
Appendix B (h) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 8.13.6 Table 8.13-5	YES	
Appendix B (h) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.13-6	YES	
Appendix B (h) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 8.13.8	YES	

adequacy Issue: Adequate ☒ Inadequate ☐ **DATA ADEQUACY WORKSHEET** Revision No. 0 Date December 26, 2007
 echnical Area: **Waste Management** Project: Malburg Generating Station Technical Staff: Alvin Greenberg
 roject Manager: James Reed Docket: 01-AFC-25 Technical Senior: Mike Ringer

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) \II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(B) \II)	A list of such standards, ordinances, and laws;	Sec. 8.13.6 Table 8.13-5	YES	
2022(b)(1)(C) \II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 8.13.6 Table 8.13-5	YES	
2022(b)(1)(D) \II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and	N/A		
2022(b)(1)(E) \II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 8.13.6 Table 8.13-5	YES	

adequacy Issue: Adequate _____ Inadequate **X**

DATA ADEQUACY WORKSHEET

Revision No. _____ Date 1-9-02

Technical Area: **Water Resources**

Project: Malburg Generating Station

Technical Staff: Tony Mediati

Project Manager: Bill Pfanner

Docket: 01-AFC-25

Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Sec. 8.14.1 p 8.14-1 Sec. 8.14.2 p 8.14-6 Sec. 8.14.4 p 8.14-13 Sec. 8.14.5 p 8.14-13	No	Please provide a description of the construction laydown and parking areas.
Appendix B j) (14) (A)	All information required by the Regional Water Quality Control Board in the region where the project will be located to apply for:			
Appendix B j) (14) (A) (i)	Waste Discharge Requirements; and	Table 8.14-3 p 8.14-18 Table 8.14-6 p 8.14-20 Appendix P	Yes	
Appendix B j) (14) (A) (ii)	a National Pollutant Discharge Elimination System Permit.	Table 8.14-3 p 8.14-18 Appendix F Appendix G	No	Please provide all information required to apply for a National Pollutant Discharge Elimination System (NPDES) Permit in the region where the project will be located Please provide all the information required by the Public Owned Treatment Works (POTW) holding the NPDES permit to accept the project's wastewater. Include all effluent limits and all conditions contained in any required Industrial Wastewater Discharge Permit or similar permit which the project must meet to comply with the POTW's NPDES permit conditions and effluent limits. Include a description of any pretreatment requirements necessary for the project to discharge its wastewater to this facility under the existing NPDES permit.
Appendix B j) (14) (B)	A description of the hydrologic setting of the project. The information shall describe, in writing and on maps at a scale of 1:24,000, the chemical and physical characteristics of the following water bodies that may be affected by the proposed project:	Sec. 8.14.1.1 p 8.14-2 Figure 8.14-2 Sec. 7.1.1 p 7-1 to 7-5		

Technical Area: **Water Resources**

Project Manager: **Bill Pfanner**

Project: **Malburg Generating Station**

Docket: **01-AFC-25**

Technical Staff: **Tony Mediati**

Technical Senior: **Dick Anderson**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (14) (B) (i)	Ground water bodies and related geologic structures;	Sec. 8.14.1.1 p 8.14-2	No	Please provide a hydrostratigraphic map at the appropriate scale of the groundwater bodies and related geologic structures.
Appendix B (14) (B) (ii)	Surface water bodies; and	Sec. 8.14.1.2 p 8.14-3	No	Please provide a map at the appropriate scale of the surface water bodies.
Appendix B (14) (B) (iii)	Water inundation zones, such as the 100-year flood plain and tsunami run-up zones.	Sec. 8.14.1.3 p 8.14-6	Yes	
Appendix B (14) (C)	A description of the water to be used and discharged by the project. This information shall include:	Sec. 8.14.1.2.3 p 8.14-5 Sec. 3.8.3.7 p 3-50 Sec. 7.0 p 7-1 Sec. 8.14.1.2.2 p 8.14-4		
Appendix B (14) (C) (i)	Source of the water and the rationale for its selection, and if fresh water is to be used for power plant cooling purposes, a discussion of all other potential sources and an explanation why these sources were not feasible;	Sec. 8.14.1.2.2 p 8.14-4 Sec. 1.1 p 1-1 Sec. 1.10.14 p 1-11 Sec. 1.11 p 1-13 Sec. 3.4.7 p 3-14 Sec. 3.4.7.3 p 3-15	No	Please address the inconsistencies concerning the use of potable water for cooling in the executive summary. Please provide the source of the fire protection water.
Appendix B (14) (C) (ii)	The physical and chemical characteristics of the source and discharge water;	Sec. 7.0 p 7-1 to 7-5 Table 8.14-5 p 8.14-19 Table 3.4-10 Table 3.4-11 Table 7-1 Table 7-3	Yes	
Appendix B (14) (C) (iii)	Average and maximum daily and annual water demand and waste water discharge for both the construction and operation phases of the project; and	Sec. 8.14.2.2 p 8.14-8 Sec. 8.14.1.2.2 p 8.14-4 Table 8.14-4 p 8.14-19 Sec. 1.10.14 p 1-12 Sec. 3.4.7.1 p 3-14 Table 3.4-9 Sec. 3.6.6 p 3-38	No	Please provide an estimate of the amount of potable water to be used as backup for reclaimed water.

Technical Area: **Water Resources**

Project Manager: **Bill Pfanner**

Project: **Malburg Generating Station**

Docket: **01-AFC-25**

Technical Staff: **Tony Mediati**

Technical Senior: **Dick Anderson**

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (14) (C) (iv)	A description of all facilities to be used in water conveyance, treatment, and discharge. Include a water mass balance diagram.	Sec. 8.14.2.2 p 8.14-8 to 8.14-12 Figure 8.14-3 p 8.14-25 Sec. 1.2 p 1-4 Sec. 1.7 p 1-7 Sec. 1.10.14 p 1-12 Figures 3.4-6 & 3.4-7 Sec. 3.4.7.2 p 3-15 Sec. 3.4.7.4 to 3.4.7.8 p 3-15 to 3-17 sec. 3.4.8.1 p 3-18 to 3-19 sec. 7.2 p 7-5 to 7-6	No	Please provide a discussion of the auxiliary cooling system. Please provide a discussion of the necessary modifications to the reclaimed water system to provide peak water demand to the project. Please provide numeric values for the steams in the wastewater streams diagram.
Appendix B (14) (D)	A description of pre-, and post-construction runoff and drainage patterns, including:	Sec. 8.14.2.2 p 8.14-12 Figures 3.5-1, 3.5-2, 3.5-3 Sec. 3.5.8 p 3-32		
Appendix B (14) (D) (i)	Precipitation and storm runoff patterns; and	Sec. 8.14.2.2 p 8.14-12	No	Please provide pre-construction runoff and drainage patterns
Appendix B (14) (D) (ii)	Drainage facilities and design criteria.	Sec. 8.14.2.2 p 8.14-12 Sec. 3.5.8 p 3.32 Figure 3.5-3	No	Please provide drainage facilities and design criteria.
Appendix B (14) (E)	An assessment of the effects of the proposed project on water resources. This discussion shall include:			
Appendix B (14) (E) (i)	The effects of project demand on the water supply and other users of this source;	Sec. 8.14.1.1 p 8.14-2 Sec. 7.1 p 7-1 to 7-5 Table 7-2 Sec. 8.14.1.1 p 8.14-2	No	Please provide the effects of project demand on the water supply and other users for the reclaimed and potable water.
Appendix B (14) (E) (ii)	The effects of construction activities and plant operation on water quality; and	Sec. 8.14.2.2 p 8.14-8 to 8.14-12	Yes	
Appendix B (14) (iii)	The effects of the project on the 100-year flood plain or other water inundation zones.	Sec. 8.14.2.3 p 8.14-12	Yes	

Technical Area: **Water Resources**

Project Manager: **Bill Pfanner**

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SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B i) (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Sec. 8.14.6 p 8.14-14 Sec. 7.3 p 7-6 to 7-7	Yes	
Appendix B i) (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Sec. 8.14.6 p 8.14-14 Table 8.14-7 p 8.14-20 Sec. 7.3 p 7-6 to 7-7	Yes	
Appendix B i) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Sec. 8.14.6 p 8.14-14 Sec. 7.3 p 7-6 to 7-7	No	Please provide the information and correct the reference to section 8.14.7 in the compliance paragraph of section 8.14.6.1
Appendix B i) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Sec. 8.14.7 p 8.14-16 Table 7-4 Table 8.14-7	Yes	
Appendix B i) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Sec. 8.14.8 p 8.14-16 Sec. 7.5 p 7-7 Table 7-5 Table 8.14-8	Yes	

adequacy Issue: Adequate ☐ Inadequate ☒ **DATA ADEQUACY WORKSHEET** Revision No. _____ Date 1-8-02
 (Six Month Expedited Process)
 echnical Area: **Water Resources** Project: Malburg Generating Station Technical Staff: Tony Mediati
 roject Manager: Bill Pfanner Docket: 01-AFC-25 Technical Senior: Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) \II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;	To Be considered Data Adequate for the six month expedited process please provide the following information in addition to the information requested on the standard twelve month data adequacy worksheet.		
2022(b)(1)(A) \II)	A list of such standards, ordinances, and laws;	Sec. 8.14.6 p 8.14-14 Sec. 7.3 p 7-6 to 7-7	Yes	
2022(b)(1)(B) \II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Sec. 8.14.6 p 8.14-14 Sec. 7.3 p 7-6 to 7-7	No	Please provide substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification.
2022(b)(1)(C) \II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		No	Please provide a discussion of expected changes to Laws, Ordinances, Regulations and Standards (LORS).
2022(b)(1)(D) \II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;	Sec. 8.14.6 p 8.14-14 Sec. 7.3 p 7-6 to 7-7	No	Please provide a letter from the Regional Water Quality Control Board (RWQCB) stating the project's compliance with the general National Pollution Discharge Elimination System (NPDES) permit. Please provide a letter from the Public Owned Treatment Works (POTW) stating they are willing and able to receive the waste and stating any conditions, limits or pretreatment required.
2022(b)(2)	Substantial evidence that the project as proposed in the application will not cause a significant adverse impact on the environment, including the following:			

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X

(Six Month Expedited Process)

REVISION NO.

Date 1-8-54

Technical Area:

Water Resources

Project:

Malburg Generating Station

Technical Staff:

Tony Mediati

roject Manager:

Bill Pfanner

Docket:

01-AFC-25

Technical Senior:

Dick Anderson

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(2)(E) (Water)	If the project will result in a discharge of waste that could affect the water quality of the state, a complete report of proposed waste discharge as required by section 13260 of the Water Code. This will allow for issuance of waste discharge requirements by the appropriate regional water quality control board within 100 days after filing the application in accordance with Public Resources Code section 25550(d);	Table 8.14-3 p 8.14-18 Table 8.14-6 p 8.14-20 Appendix P	No	Please provide the information required for stormwater discharge and any other discharges that may affect the water quality of the state.
2022(b)(5)(B) (Water)	A will-serve letter or similar document from each provider of water to the project, indicating each provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.	Sec. 1.10.14 p 1-11 Appendix E	No	Please provide a will-serve letter or similar document from the provider of potable water to the project, indicating the provider's willingness to provide water to the project and describing all conditions under which the water will be provided, and a discussion of all other contractual agreements with the applicant pertaining to the provision of water to the project.

adequacy Issue: Adequate **X** Inadequate

DATA ADEQUACY WORKSHEET

Revision No. 0 Date 1/10/02

Technical Area: **Worker Safety**

Project: Malburg Generating Station

Technical Staff: Rick Tyler

Project Manager: B. Pfanner

Docket: 01-AFC-25

Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B j) (1)	...provide a discussion of the existing site conditions, the expected direct, indirect and cumulative impacts due to the construction, operation and maintenance of the project, the measures proposed to mitigate adverse environmental impacts of the project, the effectiveness of the proposed measures, and any monitoring plans proposed to verify the effectiveness of the mitigation.	Section 8.7	Yes	
Appendix B j) (11) (A)	A description of the safety training programs which will be required for construction and operation personnel.	Section 8.7.4.2	Yes	
Appendix B j) (11) (B)	A complete description of the fuel handling system and the fire suppression system.	Sections 2.0	Yes	
Appendix B j) (11) (C)	Provide draft outlines of the Construction Health and Safety Program and the Operation Health and Safety Program, as follows:	Section 8.7	Yes	
	Construction Health and Safety Program: * Injury and Illness Prevention Plan (8 Cal. Code Regs., § 1509);		Yes	
	* Fire Protection and Prevention Plan (8 Cal. Code Regs., § 1920);		Yes	
	* Personal Protective Equipment Program (8 Cal. Code Regs., §§ 1514-1522)			
	Operation Health and Safety Program: * Injury and Illness Prevention Program (8 Cal. Code Regs., § 3203);		Yes	
	* Fire Prevention Plan (8 Cal. Code Regs., § 3221);		Yes	
	* Emergency Action Plan (8 Cal. Code Regs., § 3220); * Personal Protective Equipment Program (8 Cal. Code Regs., §§ 3401-3411).		Yes	

Technical Area: Worker Safety Project: Malburg Generating Station Technical Staff: Rick Tyler
 Project Manager: B. Pfanner Docket: 01-AFC-25 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
Appendix B (1) (A)	Tables which identify laws, regulations, ordinances, standards, adopted local, regional, state, and federal land use plans, and permits applicable to the proposed project, and a discussion of the applicability of each. The table or matrix shall explicitly reference pages in the application wherein conformance, with each law or standard during both construction and operation of the facility is discussed;	Table 8.7-6	Yes	
Appendix B (1) (B)	Tables which identify each agency with jurisdiction to issue applicable permits and approvals or to enforce identified laws, regulations, standards, and adopted local, regional, state and federal land use plans, and agencies which would have permit approval or enforcement authority, but for the exclusive authority of the commission to certify sites and related facilities.	Table 8.7-6	Yes	
Appendix B (1) (2)	A discussion of the conformity of the project with the requirements listed in subsection (h)(1)(A).	Section 8.7	Yes	
Appendix B (1) (3)	The name, title, phone number, and address, if known, of an official within each agency who will serve as a contact person for the agency.	Table 8.7-7	Yes	
Appendix B (1) (4)	A schedule indicating when permits outside the authority of the commission will be obtained and the steps the applicant has taken or plans to take to obtain such permits.	Section 8.7.8	Yes	

adequacy Issue: Adequate ☒ Inadequate ☐

DATA ADEQUACY WORKSHEET

(Six Month Expedited Process)

Revision No. 00 Date 1/10/02

Technical Area: **Worker Safety** Project: Malburg Generating Station Technical Staff: Rick Tyler

Project Manager: B. Pfanner Docket: 01-AFC-25 Technical Senior: Rick Tyler

SITING REGULATIONS	INFORMATION	AFC PAGE NUMBER AND SECTION NUMBER	ADEQUATE YES OR NO	INFORMATION REQUIRED TO MAKE AFC CONFORM WITH REGULATIONS
2022(b)(1)(A) (II)	Substantial evidence that the project as proposed in the application will comply with all standards, ordinances, and laws applicable at the time of certification including;			
2022(b)(1)(A) (II)	A list of such standards, ordinances, and laws;	Table 8.7-6	Yes	
2022(b)(1)(B) (II)	Information demonstrating that the project as proposed in the application will comply with all such standards, ordinances, and laws;	Section 8.7	Yes	
2022(b)(1)(C) (II)	Where a standard, ordinance, or law is expected to change between the time of filing an application and certification, information from the responsible jurisdiction documenting the impending change, the schedule for enactment of the change, and whether the proposed project will comply with the changed standard, ordinance, or law.; and		N/A	
2022(b)(1)(D) (II)	A list of the requirements for permitting by each federal, state, regional, and local agency that has jurisdiction over the proposed project or that would have jurisdiction, but for the exclusive jurisdiction of the commission, and the information necessary to meet those requirements;		N/A	